



## ANALYTICAL DATA REPORT

JMC Environmental Consultants  
2109 Bridge Avenue  
Building B  
Point Pleasant, NJ 08742

Project Name: ARSYNCO  
IAL Case Number: E13-00627

These data have been reviewed and accepted by:

A handwritten signature in black ink, appearing to read "Michael H. Lefrin".

Michael H. Lefrin, Ph.D.  
Laboratory Director

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Integrated Analytical Laboratories, LLC. The test results included in this report relate  
only to the samples analyzed.

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IAL is a NELAC New Jersey Certified Lab (14751) and maintains certification in Connecticut (PH-0699), New York (I1402), Rhode Island (00126), Pennsylvania (68-00773) and in the Department of Navy IR QA Program

# ***Sample Summary***

*IAL Case No.*

**E13-00627**

*Client* JMC Environmental Consultants

*Project* ARSYNCO

*Received On* 1/21/2013@16:26

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Depth Top/Bottom</u>	<u>Sampling Time</u>	<u>Matrix</u>	<u># of Container</u>
00627-001	DD-44 (0-1.0)	0/1	1/21/2013@09:50	Soil	1
00627-002	DD-44 (1.0-2.0)	1/2	1/21/2013@09:51	Soil	1
00627-003	DD-44 (2.0-3.0)	2/3	1/21/2013@09:52	Soil	1
00627-004	DD-44 (3.0-4.0)	3/4	1/21/2013@09:53	Soil	1
00627-005	CC-43 (0-1.0)	0/1	1/21/2013@10:28	Soil	1
00627-006	CC-43 (1.0-2.0)	1/2	1/21/2013@10:29	Soil	1
00627-007	CC-43 (2.0-3.0)	2/3	1/21/2013@10:30	Soil	1
00627-008	CC-43 (3.0-4.0)	3/4	1/21/2013@10:31	Soil	1
00627-009	DD-43/EE-44 (0-1.0)	0/1	1/21/2013@11:15	Soil	1
00627-010	DD-43/EE-44 (1.0-2.0)	1/2	1/21/2013@11:16	Soil	1
00627-011	DD-43/EE-44 (2.0-3.0)	2/3	1/21/2013@11:17	Soil	1
00627-012	DD-43/EE-44 (3.0-4.0)	3/4	1/21/2013@11:18	Soil	1
00627-013	FF-42 (0-1.0)	0/1	1/21/2013@11:56	Soil	1
00627-014	FF-42 (1.0-2.0)	1/2	1/21/2013@11:57	Soil	1
00627-015	FF-42 (2.0-3.0)	2/3	1/21/2013@11:58	Soil	1
00627-016	FF-42 (3.0-4.0)	3/4	1/21/2013@11:59	Soil	1
00627-017	FF-41 (0-1.0)	0/1	1/21/2013@13:15	Soil	1
00627-018	FF-41 (1.0-2.0)	1/2	1/21/2013@13:16	Soil	1
00627-019	FF-41 (2.0-3.0)	2/3	1/21/2013@13:17	Soil	1
00627-020	FF-41 (3.0-4.0)	3/4	1/21/2013@13:18	Soil	1
00627-021	FF-40 (0-1.0)	0/1	1/21/2013@13:55	Soil	1
00627-022	FF-40 (1.0-2.0)	1/2	1/21/2013@13:56	Soil	1
00627-023	FF-40 (2.0-3.0)	2/3	1/21/2013@13:57	Soil	1
00627-024	FF-40 (3.0-4.0)	3/4	1/21/2013@13:58	Soil	1
00627-025	FB-58	n/a	1/21/2013	Aqueous	2

# INTEGRATED ANALYTICAL LABORATORIES, LLC.

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This report was finalized on February 07, 2013

\* Methodology is included in the IAL Project Information Page

# INTEGRATED ANALYTICAL LABORATORIES, LLC.

## DEFINITIONS / QUALIFIERS

### DATA QUALIFIERS

- B** Indicates the analyte was found in the associated method blank as well as in the sample.  
It indicates probable laboratory contamination.
- C** Indicates analyte is a common laboratory contaminant.
- D** Indicated analyte was reported from diluted analysis.
- E** Identifies a compound concentration that exceeds the upper level of the calibration range of the instrument for that specific analysis.
- J** Indicates an estimated value. This flag is used when the concentration in the sample is below the RL but above the MDL.

### REPORTING DEFINITIONS

**RL** Reporting Limit. The RL is determined by the lowest concentration in the calibration curve. For most Wet Chemistry methods, the RL is defined by using the PQL.

**MDL** Method Detection Limit as determined according to 40CFR Part 136 Appendix B.

**PQL** Practical Quantitation Limit. Usually defined as a value 3-5 times the MDL.

**ND** Indicates analyte was analyzed for but not detected above the MDL.

**DF** Dilution Factor

**LCS** Laboratory Control Sample

**LCSD** Laboratory Control Sample Duplicate

**MS** Matrix Spike

**MSD** Matrix Spike Duplicate

**DUP** Duplicate

## **CONFORMANCE / NON-COMFORMANCE SUMMARIES**

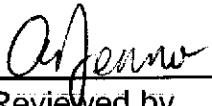
# INTEGRATED ANALYTICAL LABORATORIES, LLC.

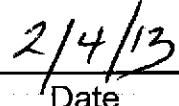
## CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received one (1) aqueous and twenty-four (24) soil sample(s) from JMC Environmental Consultants (IAL SDG # E13-00627, Project: ARSYNCO) on January 21, 2013 for the analysis of:

(25) TCL PCB

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

  
Reviewed by

  
Date

# SAMPLE DELIVERY GROUP CASE NARRATIVE

**SDG#: E13-00627**

PCB By 8082

**Batch ID: 130123-05**

**Matrix: Soil**

**QC**

- Calibration Curve met QC criteria.
- Surrogate Percent Recovery did not meet QC criteria. Surrogate for sample 00627-002 did not pass QC criteria due to matrix interference.
- Method Blank met QC criteria.
- LCS Percent Recovery met QC criteria.
- MS/MSD Percent Recovery met QC criteria.
- RPD between MS/MSD met QC criteria.
- The RPD between the primary and secondary column was >40% for the following samples: 002. Per SW-846 8000C, the lower of the two concentrations was reported.
- The following samples were cleaned up using method 3660B to remove sulfur: 001, 002

**E13-00627**

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- Sample 00627-002 was run with 2x dilution. This one sample did not pass NJ SRS criteria. Sample 00627-001 was run straight.

JS i-28-13

# SAMPLE DELIVERY GROUP CASE NARRATIVE

**SDG#: E13-00627**

PCB By 8082

<b>Batch ID: 130124-06</b>	<b>Matrix: Aqueous</b>
----------------------------	------------------------

**QC**

- Calibration Curve met QC criteria.
- Surrogate Percent Recovery met QC criteria.
- Method Blank met QC criteria.
- LCS Percent Recovery met QC criteria.
- MS/MSD Percent Recovery met QC criteria.
- RPD between MS/MSD met QC criteria.
- The following samples were cleaned up using method 3660B to remove sulfur: 025
- The following samples were cleaned up using method 3665A: 025

**E13-00627**

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- No dilution performed for sample 00627-025.

*JS* 1-29-13

# SAMPLE DELIVERY GROUP CASE NARRATIVE

**SDG#: E13-00627**

**PCB By 8082**

**Batch ID: 130125-10**

**Matrix: Soil**

- |                  |  |
|------------------|--|
| <b>QC</b>        | <ul style="list-style-type: none"><li>- Calibration Curve met QC criteria.</li><li>- Surrogate Percent Recovery met QC criteria.</li><li>- Method Blank met QC criteria.</li><li>- LCS Percent Recovery met QC criteria.</li><li>- MS/MSD Percent Recovery met QC criteria.</li><li>- RPD between MS/MSD met QC criteria.</li><li>- The following samples were cleaned up using method 3660B to remove sulfur: 014, 015, 016, 017, 018, 019, 020, 021, 022</li></ul>   |
| <b>E13-00627</b> | <ul style="list-style-type: none"><li>- All samples were extracted within holding time.</li><li>- All samples were analyzed within holding time.</li><li>- Retention Time Shift met QC criteria.</li><li>- For batch 130125-10 sample 00627 -021 was run with 5x dilution due to a high concentration of the target compound. This sample did not pass NJ IGW criteria. No dilution was performed on all other samples 00627 in batch 130125-10. Samples 00627 -017, -018, -022 did not pass NJ IGW criteria due to high percent moisture.</li></ul> |

*jb* 1-29-13

# SAMPLE DELIVERY GROUP CASE NARRATIVE

**SDG#: E13-00627**

PCB By 8082

**Batch ID: 130124-03**

**Matrix: Soil**

**QC**

- Calibration Curve met QC criteria.
- Surrogate Percent Recovery met QC criteria.
- Method Blank met QC criteria.
- LCS Percent Recovery did not meet QC criteria. LCS was inadvertently double spiked by the analyst. Percent recoveries have been adjusted to reflect this.
- MS/MSD Percent Recovery did not meet QC criteria. MS, MSD were inadvertently double spiked by the analyst. Percent recoveries have been adjusted to reflect this.
- RPD between MS/MSD met QC criteria.
- The following samples were cleaned up using method 3660B to remove sulfur: 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013

**E13-00627**

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- 20x dilution was performed for sample 0627-009. This one sample did not pass NJ SRS criteria. 2x dilution was performed for sample 00627-013. No dilution performed for rest of the samples job 00627, batch 130124-03. Because of high moisture samples:-005, -006, -007 did not pass NJ SRS criteria.

*% Moisture*

*2/6/13-AD*

*JB 2-6-13*

# SAMPLE DELIVERY GROUP CASE NARRATIVE

**SDG#: E13-00627**

PCB By 8082

**Batch ID: 130128-03**

**Matrix: Soil**

- |                  |   |
|------------------|---|
| <b>QC</b>        | <ul style="list-style-type: none"><li>- Calibration Curve met QC criteria.</li><li>- Surrogate Percent Recovery met QC criteria.</li><li>- Method Blank met QC criteria.</li><li>- LCS Percent Recovery met QC criteria.</li><li>- MS/MSD Percent Recovery met QC criteria.</li><li>- RPD between MS/MSD met QC criteria.</li><li>- The following samples were cleaned up using method 3660B to remove sulfur: 023, 024</li></ul> |
| <b>E13-00627</b> | <ul style="list-style-type: none"><li>- All samples were extracted within holding time.</li><li>- All samples were analyzed within holding time.</li><li>- Retention Time Shift met QC criteria.</li><li>- No dilution performed for samples: 00627-023, -024.</li></ul>  |

*JS 1-31-13*

## **RESULTS SUMMARY REPORT**

**INTEGRATED ANALYTICAL LABORATORIES, LLC.**

**SUMMARY REPORT**

**Client: JMC Environmental Consultants**

**Project: ARSYNC**

**Lab Case No.: E13-00627**

<b>Lab ID:</b>	00627-025		
<b>Client ID:</b>	FB-58		
<b>Matrix:</b>	Aqueous		
<b>Sampled Date</b>	1/21/13		
<b>PARAMETER(Units)</b>	Conc	Q	MDL
<b>PCB's (Units)</b>	<i>(mg/L-ppm)</i>		
Aroclor-1016	ND	0.00002	
Aroclor-1221	ND	0.00002	
Aroclor-1232	ND	0.00002	
Aroclor-1242	ND	0.00002	
Aroclor-1248	ND	0.00002	
Aroclor-1254	ND	0.00002	
Aroclor-1260	ND	0.00002	
Aroclor-1262	ND	0.00002	
Aroclor-1268	ND	0.00002	
PCBs	ND	0.00002	

<b>Lab ID:</b>	00627-001			00627-002			00627-003			00627-004		
	<b>Client ID:</b>	DD-44 (0-1.0)		<b>Depth:</b>	1/2		<b>Matrix:</b>	Soil		<b>Depth:</b>	3/4	
<b>Sampled Date</b>	1/21/13			<b>Sampled Date</b>	1/21/13			<b>Sampled Date</b>	1/21/13			<b>Sampled Date</b>
<b>PARAMETER(Units)</b>	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
<b>PCB's (Units)</b>	<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>		
Aroclor-1016	ND	0.066	ND	0.211	ND	0.021	ND	0.018		ND	0.018	
Aroclor-1221	ND	0.066	ND	0.211	ND	0.021	ND	0.018		ND	0.018	
Aroclor-1232	ND	0.066	ND	0.211	ND	0.021	ND	0.018		ND	0.018	
Aroclor-1242	ND	0.066	50.9	0.211	0.109	0.021	0.038	J	0.018	ND	0.018	
Aroclor-1248	4.28	0.066	ND	0.211	ND	0.021	ND	0.018		ND	0.018	
Aroclor-1254	ND	0.066	ND	0.211	ND	0.021	ND	0.018		ND	0.018	
Aroclor-1260	ND	0.066	ND	0.211	ND	0.021	ND	0.018		ND	0.018	
Aroclor-1262	ND	0.066	ND	0.211	ND	0.021	ND	0.018		ND	0.018	
Aroclor-1268	ND	0.066	ND	0.211	ND	0.021	ND	0.018		ND	0.018	
PCBs	4.28	0.066	50.9	0.211	0.109	0.021	0.038	J	0.018	ND	0.018	

ND = Analyzed for but Not Detected at the MDL

**INTEGRATED ANALYTICAL LABORATORIES, LLC.**

**SUMMARY REPORT**  
**Client: JMC Environmental Consultants**  
**Project: ARSYNCO**  
**Lab Case No.: E13-00627**

Lab ID:	00627-005			00627-006			00627-007			00627-008		
Client ID:	CC-43 (0-1.0)			CC-43 (1.0-2.0)			CC-43 (2.0-3.0)			CC-43 (3.0-4.0)		
Depth:	0/1			1/2			2/3			3/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	1/21/13			1/21/13			1/21/13			1/21/13		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	(mg/Kg-ppm)			(mg/Kg-ppm)			(mg/Kg-ppm)			(mg/Kg-ppm)		
Aroclor-1016	ND	0.080		ND	0.106		ND	0.082		ND	0.018	
Aroclor-1221	ND	0.080		ND	0.106		ND	0.082		ND	0.018	
Aroclor-1232	ND	0.080		ND	0.106		ND	0.082		ND	0.018	
Aroclor-1242	ND	0.080		ND	0.106		ND	0.082		ND	0.018	
Aroclor-1248	9.77	0.080		12.0	0.106		ND	0.082		ND	0.018	
Aroclor-1254	ND	0.080		ND	0.106		ND	0.082		ND	0.018	
Aroclor-1260	1.63	0.080		1.50	0.106		ND	0.082		ND	0.018	
Aroclor-1262	ND	0.080		ND	0.106		ND	0.082		ND	0.018	
Aroclor-1268	ND	0.080		ND	0.106		ND	0.082		ND	0.018	
PCBs	11.4	0.080		13.5	0.106		ND	0.082		ND	0.018	
Lab ID:	00627-009			00627-010			00627-011			00627-012		
Client ID:	DD-43/EE-44 (0-1.0)			DD-43/EE-44 (1.0-2.0)			DD-43/EE-44 (2.0-3.0)			DD-43/EE-44 (3.0-4.0)		
Depth:	0/1			1/2			2/3			3/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	1/21/13			1/21/13			1/21/13			1/21/13		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	(mg/Kg-ppm)			(mg/Kg-ppm)			(mg/Kg-ppm)			(mg/Kg-ppm)		
Aroclor-1016	ND	0.906		ND	0.023		ND	0.019		ND	0.017	
Aroclor-1221	ND	0.906		ND	0.023		ND	0.019		ND	0.017	
Aroclor-1232	ND	0.906		ND	0.023		ND	0.019		ND	0.017	
Aroclor-1242	159	0.906		1.87	0.023		0.177	0.019		1.59	0.017	
Aroclor-1248	ND	0.906		ND	0.023		ND	0.019		ND	0.017	
Aroclor-1254	ND	0.906		ND	0.023		ND	0.019		ND	0.017	
Aroclor-1260	ND	0.906		ND	0.023		ND	0.019		ND	0.017	
Aroclor-1262	ND	0.906		ND	0.023		ND	0.019		ND	0.017	
Aroclor-1268	ND	0.906		ND	0.023		ND	0.019		ND	0.017	
PCBs	159	0.906		1.87	0.023		0.177	0.019		1.59	0.017	

ND = Analyzed for but Not Detected at the MDL

**INTEGRATED ANALYTICAL LABORATORIES, LLC.**

**SUMMARY REPORT**  
**Client: JMC Environmental Consultants**  
**Project: ARSYNCO**  
**Lab Case No.: E13-00627**

Lab ID:	00627-013	00627-014	00627-015	00627-016					
Client ID:	FF-42 (0-1.0)	FF-42 (1.0-2.0)	FF-42 (2.0-3.0)	FF-42 (3.0-4.0)					
Depth:	0/1	1/2	2/3	3/4					
Matrix:	Soil	Soil	Soil	Soil					
Sampled Date	1/21/13	1/21/13	1/21/13	1/21/13					
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
<b>PCB's (Units)</b>	<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		
Aroclor-1016	ND	0.036	ND	0.021	ND	0.021	ND	0.018	
Aroclor-1221	ND	0.036	ND	0.021	ND	0.021	ND	0.018	
Aroclor-1232	ND	0.036	ND	0.021	ND	0.021	ND	0.018	
Aroclor-1242	10.1	0.036	2.74	0.021	2.33	0.021	0.083	0.018	
Aroclor-1248	ND	0.036	ND	0.021	ND	0.021	ND	0.018	
Aroclor-1254	ND	0.036	ND	0.021	ND	0.021	ND	0.018	
Aroclor-1260	ND	0.036	ND	0.021	ND	0.021	ND	0.018	
Aroclor-1262	ND	0.036	ND	0.021	ND	0.021	ND	0.018	
Aroclor-1268	ND	0.036	ND	0.021	ND	0.021	ND	0.018	
PCBs	10.1	0.036	2.74	0.021	2.33	0.021	0.083	0.018	
Lab ID:	00627-017	00627-018	00627-019	00627-020					
Client ID:	FF-41 (0-1.0)	FF-41 (1.0-2.0)	FF-41 (2.0-3.0)	FF-41 (3.0-4.0)					
Depth:	0/1	1/2	2/3	3/4					
Matrix:	Soil	Soil	Soil	Soil					
Sampled Date	1/21/13	1/21/13	1/21/13	1/21/13					
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
<b>PCB's (Units)</b>	<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		
Aroclor-1016	ND	0.121	ND	0.120	ND	0.021	ND	0.020	
Aroclor-1221	ND	0.121	ND	0.120	ND	0.021	ND	0.020	
Aroclor-1232	ND	0.121	ND	0.120	ND	0.021	ND	0.020	
Aroclor-1242	ND	0.121	ND	0.120	ND	0.021	ND	0.020	
Aroclor-1248	2.00	0.121	ND	0.120	ND	0.021	ND	0.020	
Aroclor-1254	ND	0.121	ND	0.120	ND	0.021	ND	0.020	
Aroclor-1260	ND	0.121	ND	0.120	ND	0.021	ND	0.020	
Aroclor-1262	ND	0.121	ND	0.120	ND	0.021	ND	0.020	
Aroclor-1268	ND	0.121	ND	0.120	ND	0.021	ND	0.020	
PCBs	2.00	0.121	ND	0.120	ND	0.021	ND	0.020	

ND = Analyzed for but Not Detected at the MDL

**INTEGRATED ANALYTICAL LABORATORIES, LLC.**

**SUMMARY REPORT**  
**Client: JMC Environmental Consultants**  
**Project: ARSYNCO**  
**Lab Case No.: E13-00627**

Lab ID:	00627-021	00627-022			00627-023			00627-024		
Client ID:	FF-40 (0-1.0)	FF-40 (1.0-2.0)			FF-40 (2.0-3.0)			FF-40 (3.0-4.0)		
Depth:	0/1	1/2			2/3			3/4		
Matrix:	Soil	Soil			Soil			Soil		
Sampled Date	1/21/13	1/21/13			1/21/13			1/21/13		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc
PCB's (Units)	<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>
Aroclor-1016	ND	0.424	ND	0.126	ND	0.045	ND	0.020		
Aroclor-1221	ND	0.424	ND	0.126	ND	0.045	ND	0.020		
Aroclor-1232	ND	0.424	ND	0.126	ND	0.045	ND	0.020		
Aroclor-1242	ND	0.424	ND	0.126	ND	0.045	ND	0.020		
Aroclor-1248	145	0.424	1.28	0.126	ND	0.045	ND	0.020		
Aroclor-1254	ND	0.424	ND	0.126	ND	0.045	ND	0.020		
Aroclor-1260	ND	0.424	ND	0.126	ND	0.045	ND	0.020		
Aroclor-1262	ND	0.424	ND	0.126	ND	0.045	ND	0.020		
Aroclor-1268	ND	0.424	ND	0.126	ND	0.045	ND	0.020		
PCBs	145	0.424	1.28	0.126	ND	0.045	ND	0.020		

ND = Analyzed for but Not Detected at the MDL

## **ANALYTICAL RESULTS**

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-001  
Client ID: DD-44\_(0-1)  
Date Received: 01/21/2013  
Date Extracted: 01/23/2013  
Date Analyzed: 01/24/2013  
Data file: R7031.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.63g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 78.5

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.165	0.066
Aroclor-1221	ND		0.165	0.066
Aroclor-1232	ND		0.165	0.066
Aroclor-1242	ND		0.165	0.066
Aroclor-1248	4.28		0.165	0.066
Aroclor-1254	ND		0.165	0.066
Aroclor-1260	ND		0.165	0.066
Aroclor-1262	ND		0.165	0.066
Aroclor-1268	ND		0.165	0.066
PCBs	4.28		0.165	0.066

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-002  
Client ID: DD-44\_(1.0  
Date Received: 01/21/2013  
Date Extracted: 01/23/2013  
Date Analyzed: 01/25/2013  
Data file: R7037.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.13g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 2  
% Moisture: 85.2

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.527	0.211
Aroclor-1221	ND		0.527	0.211
Aroclor-1232	ND		0.527	0.211
Aroclor-1242	50.9		0.527	0.211
Aroclor-1248	ND		0.527	0.211
Aroclor-1254	ND		0.527	0.211
Aroclor-1260	ND		0.527	0.211
Aroclor-1262	ND		0.527	0.211
Aroclor-1268	ND		0.527	0.211
PCBs	50.9		0.527	0.211

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-003  
Client ID: DD-44\_(2.0  
Date Received: 01/21/2013  
Date Extracted: 01/24/2013  
Date Analyzed: 01/25/2013  
Data file: Y5359.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.06g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 24.1

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.052	0.021
Aroclor-1221	ND		0.052	0.021
Aroclor-1232	ND		0.052	0.021
Aroclor-1242	0.109		0.052	0.021
Aroclor-1248	ND		0.052	0.021
Aroclor-1254	ND		0.052	0.021
Aroclor-1260	ND		0.052	0.021
Aroclor-1262	ND		0.052	0.021
Aroclor-1268	ND		0.052	0.021
PCBs	0.109		0.052	0.021

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-004  
Client ID: DD-44\_(3.0  
Date Received: 01/21/2013  
Date Extracted: 01/24/2013  
Date Analyzed: 01/25/2013  
Data file: Y5360.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.79g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 21.9

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.044	0.018
Aroclor-1221	ND		0.044	0.018
Aroclor-1232	ND		0.044	0.018
Aroclor-1242	0.038	J	0.044	0.018
Aroclor-1248	ND		0.044	0.018
Aroclor-1254	ND		0.044	0.018
Aroclor-1260	ND		0.044	0.018
Aroclor-1262	ND		0.044	0.018
Aroclor-1268	ND		0.044	0.018
PCBs	0.038	J	0.044	0.018

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-005

Client ID: CC-43\_(0-1

Date Received: 01/21/2013

Date Extracted: 01/24/2013

Date Analyzed: 01/25/2013

Data file: Y5361.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.05g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 80.2

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.200	0.080
Aroclor-1221	ND		0.200	0.080
Aroclor-1232	ND		0.200	0.080
Aroclor-1242	ND		0.200	0.080
Aroclor-1248	9.77		0.200	0.080
Aroclor-1254	ND		0.200	0.080
Aroclor-1260	1.63		0.200	0.080
Aroclor-1262	ND		0.200	0.080
Aroclor-1268	ND		0.200	0.080
PCBs	11.4		0.200	0.080

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-006

Client ID: CC-43\_(1.0)

Date Received: 01/21/2013

Date Extracted: 01/24/2013

Date Analyzed: 01/25/2013

Data file: Y5362.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.04g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 85.0

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.265	0.106
Aroclor-1221	ND		0.265	0.106
Aroclor-1232	ND		0.265	0.106
Aroclor-1242	ND		0.265	0.106
Aroclor-1248	12.0		0.265	0.106
Aroclor-1254	ND		0.265	0.106
Aroclor-1260	1.50		0.265	0.106
Aroclor-1262	ND		0.265	0.106
Aroclor-1268	ND		0.265	0.106
PCBs	13.5		0.265	0.106

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-007

Client ID: CC-43\_(2.0

Date Received: 01/21/2013

Date Extracted: 01/24/2013

Date Analyzed: 01/25/2013

Data file: Y5363.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.43g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 82.1

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.206	0.082
Aroclor-1221	ND		0.206	0.082
Aroclor-1232	ND		0.206	0.082
Aroclor-1242	ND		0.206	0.082
Aroclor-1248	ND		0.206	0.082
Aroclor-1254	ND		0.206	0.082
Aroclor-1260	ND		0.206	0.082
Aroclor-1262	ND		0.206	0.082
Aroclor-1268	ND		0.206	0.082
PCBs	ND		0.206	0.082

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-008

Client ID: CC-43\_(3.0)

Date Received: 01/21/2013

Date Extracted: 01/24/2013

Date Analyzed: 01/25/2013

Data file: Y5364.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.67g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 21.0

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.045	0.018
Aroclor-1221	ND		0.045	0.018
Aroclor-1232	ND		0.045	0.018
Aroclor-1242	ND		0.045	0.018
Aroclor-1248	ND		0.045	0.018
Aroclor-1254	ND		0.045	0.018
Aroclor-1260	ND		0.045	0.018
Aroclor-1262	ND		0.045	0.018
Aroclor-1268	ND		0.045	0.018
PCBs	ND		0.045	0.018

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-009  
Client ID: DD-43/EE-4  
Date Received: 01/21/2013  
Date Extracted: 01/24/2013  
Date Analyzed: 01/25/2013  
Data file: Y5365.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.35g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 20  
% Moisture: 67.0

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		2.27	0.906
Aroclor-1221	ND		2.27	0.906
Aroclor-1232	ND		2.27	0.906
Aroclor-1242	159		2.27	0.906
Aroclor-1248	ND		2.27	0.906
Aroclor-1254	ND		2.27	0.906
Aroclor-1260	ND		2.27	0.906
Aroclor-1262	ND		2.27	0.906
Aroclor-1268	ND		2.27	0.906
PCBs	159		2.27	0.906

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-010  
Client ID: DD-43/EE-4  
Date Received: 01/21/2013  
Date Extracted: 01/24/2013  
Date Analyzed: 01/25/2013  
Data file: Y5366.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.70g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 39.3

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.058	0.023
Aroclor-1221	ND		0.058	0.023
Aroclor-1232	ND		0.058	0.023
Aroclor-1242	1.87		0.058	0.023
Aroclor-1248	ND		0.058	0.023
Aroclor-1254	ND		0.058	0.023
Aroclor-1260	ND		0.058	0.023
Aroclor-1262	ND		0.058	0.023
Aroclor-1268	ND		0.058	0.023
PCBs	1.87		0.058	0.023

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-011

Client ID: DD-43/EE-4

Date Received: 01/21/2013

Date Extracted: 01/24/2013

Date Analyzed: 01/25/2013

Data file: Y5367.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.51g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 24.5

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.048	0.019
Aroclor-1221	ND		0.048	0.019
Aroclor-1232	ND		0.048	0.019
Aroclor-1242	0.177		0.048	0.019
Aroclor-1248	ND		0.048	0.019
Aroclor-1254	ND		0.048	0.019
Aroclor-1260	ND		0.048	0.019
Aroclor-1262	ND		0.048	0.019
Aroclor-1268	ND		0.048	0.019
PCBs	0.177		0.048	0.019

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-012  
Client ID: DD-43/EE-4  
Date Received: 01/21/2013  
Date Extracted: 01/24/2013  
Date Analyzed: 01/25/2013  
Data file: Y5368.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.99g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 20.4

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.042	0.017
Aroclor-1221	ND		0.042	0.017
Aroclor-1232	ND		0.042	0.017
Aroclor-1242	1.59		0.042	0.017
Aroclor-1248	ND		0.042	0.017
Aroclor-1254	ND		0.042	0.017
Aroclor-1260	ND		0.042	0.017
Aroclor-1262	ND		0.042	0.017
Aroclor-1268	ND		0.042	0.017
PCBs	1.59		0.042	0.017

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-013  
Client ID: FF-42\_(0-1)  
Date Received: 01/21/2013  
Date Extracted: 01/24/2013  
Date Analyzed: 01/25/2013  
Data file: Y5369.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.96g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 2  
% Moisture: 24.9

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.089	0.036
Aroclor-1221	ND		0.089	0.036
Aroclor-1232	ND		0.089	0.036
Aroclor-1242	10.1		0.089	0.036
Aroclor-1248	ND		0.089	0.036
Aroclor-1254	ND		0.089	0.036
Aroclor-1260	ND		0.089	0.036
Aroclor-1262	ND		0.089	0.036
Aroclor-1268	ND		0.089	0.036
PCBs	10.1		0.089	0.036

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-014

Client ID: FF-42\_(1.0)

Date Received: 01/21/2013

Date Extracted: 01/25/2013

Date Analyzed: 01/28/2013

Data file: Y5458.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.07g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 23.6

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.052	0.021
Aroclor-1221	ND		0.052	0.021
Aroclor-1232	ND		0.052	0.021
Aroclor-1242	2.74		0.052	0.021
Aroclor-1248	ND		0.052	0.021
Aroclor-1254	ND		0.052	0.021
Aroclor-1260	ND		0.052	0.021
Aroclor-1262	ND		0.052	0.021
Aroclor-1268	ND		0.052	0.021
PCBs	2.74		0.052	0.021

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-015

Client ID: FF-42\_(2.0)

Date Received: 01/21/2013

Date Extracted: 01/25/2013

Date Analyzed: 01/28/2013

Data file: Y5459.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.01g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 23.7

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.052	0.021
Aroclor-1221	ND		0.052	0.021
Aroclor-1232	ND		0.052	0.021
Aroclor-1242	2.33		0.052	0.021
Aroclor-1248	ND		0.052	0.021
Aroclor-1254	ND		0.052	0.021
Aroclor-1260	ND		0.052	0.021
Aroclor-1262	ND		0.052	0.021
Aroclor-1268	ND		0.052	0.021
PCBs	2.33		0.052	0.021

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-016

Client ID: FF-42\_(3.0)

Date Received: 01/21/2013

Date Extracted: 01/25/2013

Date Analyzed: 01/28/2013

Data file: Y5460.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.47g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 19.7

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.045	0.018
Aroclor-1221	ND		0.045	0.018
Aroclor-1232	ND		0.045	0.018
Aroclor-1242	0.083		0.045	0.018
Aroclor-1248	ND		0.045	0.018
Aroclor-1254	ND		0.045	0.018
Aroclor-1260	ND		0.045	0.018
Aroclor-1262	ND		0.045	0.018
Aroclor-1268	ND		0.045	0.018
PCBs	0.083		0.045	0.018

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-017

Client ID: FF-41\_(0-1)

Date Received: 01/21/2013

Date Extracted: 01/25/2013

Date Analyzed: 01/28/2013

Data file: Y5461.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.32g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 87.6

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.303	0.121
Aroclor-1221	ND		0.303	0.121
Aroclor-1232	ND		0.303	0.121
Aroclor-1242	ND		0.303	0.121
Aroclor-1248	2.00		0.303	0.121
Aroclor-1254	ND		0.303	0.121
Aroclor-1260	ND		0.303	0.121
Aroclor-1262	ND		0.303	0.121
Aroclor-1268	ND		0.303	0.121
PCBs	2.00		0.303	0.121

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-018

Client ID: FF-41\_(1.0)

Date Received: 01/21/2013

Date Extracted: 01/25/2013

Date Analyzed: 01/28/2013

Data file: Y5462.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.23g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 87.3

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.301	0.120
Aroclor-1221	ND		0.301	0.120
Aroclor-1232	ND		0.301	0.120
Aroclor-1242	ND		0.301	0.120
Aroclor-1248	ND		0.301	0.120
Aroclor-1254	ND		0.301	0.120
Aroclor-1260	ND		0.301	0.120
Aroclor-1262	ND		0.301	0.120
Aroclor-1268	ND		0.301	0.120
PCBs	ND		0.301	0.120

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-019  
Client ID: FF-41\_(2.0)  
Date Received: 01/21/2013  
Date Extracted: 01/25/2013  
Date Analyzed: 01/28/2013  
Data file: Y5463.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.49g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 31.2

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.053	0.021
Aroclor-1221	ND		0.053	0.021
Aroclor-1232	ND		0.053	0.021
Aroclor-1242	ND		0.053	0.021
Aroclor-1248	ND		0.053	0.021
Aroclor-1254	ND		0.053	0.021
Aroclor-1260	ND		0.053	0.021
Aroclor-1262	ND		0.053	0.021
Aroclor-1268	ND		0.053	0.021
PCBs	ND		0.053	0.021

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-020

Client ID: FF-41\_(3.0)

Date Received: 01/21/2013

Date Extracted: 01/25/2013

Date Analyzed: 01/28/2013

Data file: Y5464.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.34g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 24.4

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.049	0.020
Aroclor-1221	ND		0.049	0.020
Aroclor-1232	ND		0.049	0.020
Aroclor-1242	ND		0.049	0.020
Aroclor-1248	ND		0.049	0.020
Aroclor-1254	ND		0.049	0.020
Aroclor-1260	ND		0.049	0.020
Aroclor-1262	ND		0.049	0.020
Aroclor-1268	ND		0.049	0.020
PCBs	ND		0.049	0.020

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-021

Client ID: FF-40\_(0-1)

Date Received: 01/21/2013

Date Extracted: 01/25/2013

Date Analyzed: 01/29/2013

Data file: Y5474.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.30g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 5

% Moisture: 82.2

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		1.06	0.424
Aroclor-1221	ND		1.06	0.424
Aroclor-1232	ND		1.06	0.424
Aroclor-1242	ND		1.06	0.424
Aroclor-1248	145		1.06	0.424
Aroclor-1254	ND		1.06	0.424
Aroclor-1260	ND		1.06	0.424
Aroclor-1262	ND		1.06	0.424
Aroclor-1268	ND		1.06	0.424
PCBs	145		1.06	0.424

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-022

Client ID: FF-40\_(1.0)

Date Received: 01/21/2013

Date Extracted: 01/25/2013

Date Analyzed: 01/28/2013

Data file: Y5466.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.44g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 88.3

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.314	0.126
Aroclor-1221	ND		0.314	0.126
Aroclor-1232	ND		0.314	0.126
Aroclor-1242	ND		0.314	0.126
Aroclor-1248	1.28		0.314	0.126
Aroclor-1254	ND		0.314	0.126
Aroclor-1260	ND		0.314	0.126
Aroclor-1262	ND		0.314	0.126
Aroclor-1268	ND		0.314	0.126
PCBs	1.28		0.314	0.126

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-023  
Client ID: FF-40\_(2.0  
Date Received: 01/21/2013  
Date Extracted: 01/28/2013  
Date Analyzed: 01/29/2013  
Data file: R7095.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.39g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 67.4

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.114	0.045
Aroclor-1221	ND		0.114	0.045
Aroclor-1232	ND		0.114	0.045
Aroclor-1242	ND		0.114	0.045
Aroclor-1248	ND		0.114	0.045
Aroclor-1254	ND		0.114	0.045
Aroclor-1260	ND		0.114	0.045
Aroclor-1262	ND		0.114	0.045
Aroclor-1268	ND		0.114	0.045
PCBs	ND		0.114	0.045

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-024  
Client ID: FF-40\_(3.0)  
Date Received: 01/21/2013  
Date Extracted: 01/28/2013  
Date Analyzed: 01/29/2013  
Data file: R7096.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.44g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 25.4

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.049	0.020
Aroclor-1221	ND		0.049	0.020
Aroclor-1232	ND		0.049	0.020
Aroclor-1242	ND		0.049	0.020
Aroclor-1248	ND		0.049	0.020
Aroclor-1254	ND		0.049	0.020
Aroclor-1260	ND		0.049	0.020
Aroclor-1262	ND		0.049	0.020
Aroclor-1268	ND		0.049	0.020
PCBs	ND		0.049	0.020

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 00627-025

Client ID: FB-58

Date Received: 01/21/2013

Date Extracted: 01/24/2013

Date Analyzed: 01/26/2013

Data file: Y5436.D

GC Column: DB-5/DB1701P

Sample wt/vol: 1000ml

Matrix-Units: Aqueous-mg/L (ppm)

Dilution Factor: 1

% Moisture: 100

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.00005	0.00002
Aroclor-1221	ND		0.00005	0.00002
Aroclor-1232	ND		0.00005	0.00002
Aroclor-1242	ND		0.00005	0.00002
Aroclor-1248	ND		0.00005	0.00002
Aroclor-1254	ND		0.00005	0.00002
Aroclor-1260	ND		0.00005	0.00002
Aroclor-1262	ND		0.00005	0.00002
Aroclor-1268	ND		0.00005	0.00002
PCBs	ND		0.00005	0.00002

**PCB DATA**

E13-00627 0040

**PCB QC SUMMARY**

## PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 01/16/2013

Client ID	Lab	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
				% rec	#	% rec	#	% rec	#	% rec	#
PCB		BLKA130116-05	AQUEOUS	109		65		105		76	
FIELD_BLAN		00268-031	AQUEOUS	81		58		75		64	
FRAC-1		00374-001	AQUEOUS	47		83		47		98	
PCB		00374-001MS	AQUEOUS	56		72		58		78	
PCB		00374-001MSD	AQUEOUS	53		61		53		70	
PCB		LCSA130116-05	AQUEOUS	98		69		92		76	

Surrogate QC Limits  
**TCMX = Tetrachloro-m-xylene**      Soil      Aqueous  
**DCB = Decachlorobiphenyl**      30-150      30-150  
 30-150      30-150

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

**PCB SURROGATE PERCENT RECOVERY SUMMARY**

Date Analyzed: 01/25/2013

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKS130124-03	SOIL	110		121		100		113	
SSO-1/0-0	00677-001	SOIL	115		123		106		136	
SSO-2/1.0-	00677-002	SOIL	114		123		103		122	
SSO-3/1.5-	00677-003	SOIL	111		117		104		116	
CB-1/5.0-5	00677-004	SOIL	102		111		96		110	
CB-2/5.25-	00677-005	SOIL	101		100		97		108	
PCB	00677-005MS	SOIL	98		89		93		101	
PCB	00677-005MSD	SOIL	99		106		93		102	
PCB	LCSS130124-03	SOIL	106		108		97		116	
S-1/2-2.5	00622-001	SOIL	110		105		104		129	
S-2/2-2.5	00622-002	SOIL	106		108		99		120	
S-3/2-2.5	00622-003	SOIL	104		93		97		119	
S-4/2-2.5	00622-004	SOIL	110		108		102		111	
DD-44_(2.0	00627-003	SOIL	112		123		106		132	
DD-44_(3.0	00627-004	SOIL	113		119		106		133	
CC-43_(0-1	00627-005	SOIL	137		111		130		147	
CC-43_(1.0	00627-006	SOIL	140		132		137		134	
CC-43_(2.0	00627-007	SOIL	130		135		128		130	
CC-43_(3.0	00627-008	SOIL	106		107		101		130	
DD-43/EE-4	00627-009	SOIL	136		104		120		130	
DD-43/EE-4	00627-010	SOIL	97		110		106		130	
DD-43/EE-4	00627-011	SOIL	105		111		101		128	
DD-43/EE-4	00627-012	SOIL	108		103		103		123	
FF-42_(0-1	00627-013	SOIL	83		92		89		117	

Surrogate QC Limits

Soil      Aqueous

TCMX = Tetrachloro-m-xylene

30-150      30-150

DCB = Decachlorobiphenyl

30-150      30-150

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

## PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 01/26/2013

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKA130124-06	AQUEOUS	86		102		87		103	
MW-12RR	00538-005	AQUEOUS	51		90		65		107	
FB	00538-011	AQUEOUS	78		87		79		104	
EFFLUENT	00581-001	AQUEOUS	77		101		79		103	
MW-11RR	00538-006	AQUEOUS	47		116		61		102	
FB-57	00569-017	AQUEOUS	79		94		82		113	
FB-58	00627-025	AQUEOUS	71		82		72		86	
FB-59	00646-025	AQUEOUS	74		85		76		99	
F-TANK	00622-006	AQUEOUS	66		81		69		95	
FB_011813	00578-002	AQUEOUS	75		85		77		91	
PCB	LCSA130124-06	AQUEOUS	105		103		86		99	

Surrogate QC Limits

Soil      Aqueous

TCMX = Tetrachloro-m-xylene

30-150      30-150

DCB = Decachlorobiphenyl

30-150      30-150

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

# PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 01/24/2013

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKS130123-05	SOIL	106		95		108		103	
WC-1	00637-001	SOIL	82		84		100		95	
WC-1	00645-001	SOIL	66		73		84		80	
PCB	00637-001MS	SOIL	77		84		96		85	
PCB	00637-001MSD	SOIL	81		83		96		86	
PCB	LCSS130123-05	SOIL	97		75		107		83	
CC-44_(1.0)	00569-002	SOIL	114		140		151	M	184	M
CC-44_(2.0)	00569-003	SOIL	86		101		117		122	
CC-44_(3.0)	00569-004	SOIL	81		87		109		112	
FF-44_(0-1)	00569-005	SOIL	100		93		121		123	
FF-44_(1.0)	00569-006	SOIL	98		120		123		146	
FF-44_(2.0)	00569-007	SOIL	95		94		120		136	
FF-44_(3.0)	00569-008	SOIL	81		79		110		128	
EE-43_(0-1)	00569-009	SOIL	92		83		115		112	
EE-43_(1.0)	00569-010	SOIL	98		91		124		128	
EE-43_(2.0)	00569-011	SOIL	97		92		123		145	
EE-43_(3.0)	00569-012	SOIL	79		77		107		106	
DD-42(R)_(	00569-013	SOIL	99		104		122		125	
DD-42(R)_(	00569-014	SOIL	94		93		123		117	
DD-42(R)_(	00569-015	SOIL	101		96		113		114	
DD-42(R)_(	00569-016	SOIL	94		88		110		102	
DD-44_(0-1)	00627-001	SOIL	112		125		122		127	
CC-44_(0-1)	00569-001	SOIL	132		92		148		124	
DD-44_(1.0)	00627-002	SOIL	125		125		181	M	146	

Surrogate QC Limits

Soil      Aqueous

TCMX = Tetrachloro-m-xylene

30-150      30-150

DCB = Decachlorobiphenyl

30-150      30-150

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

# PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 01/28/2013

Client ID	Lab	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
				% rec	#	% rec	#	% rec	#	% rec	#
PCB		BLKS130125-10	SOIL	110		116		90		112	
WC-1/0.5		00718-001	SOIL	100		97		85		102	
WH-61-DEL-		00710-001	SOLID	114		104		101		109	
WH-61-DEL-		00710-002	SOLID	99		89		86		94	
WH-61-DEL-		00710-003	SOLID	110		100		96		103	
WH-61-DEL-		00710-004	SOLID	99		89		84		108	
WH-61-DEL-		00710-005	SOLID	100		96		87		113	
WH-61-DEL-		00710-006	SOLID	105		94		93		100	
WH-61-DEL-		00710-007	SOLID	99		84		94		95	
WH-61-DEL-		00710-008	SOLID	105		101		96		102	
WH-61-DEL-		00710-009	SOLID	100		94		93		97	
FF-42_(1.0		00627-014	SOIL	88		98		86		91	
FF-42_(2.0		00627-015	SOIL	93		101		89		105	
FF-42_(3.0		00627-016	SOIL	123		129		109		121	
FF-41_(0-1		00627-017	SOIL	129		139		122		131	
FF-41_(1.0		00627-018	SOIL	130		128		122		133	
FF-41_(2.0		00627-019	SOIL	109		104		96		119	
FF-41_(3.0		00627-020	SOIL	106		100		92		117	
FF-40_(1.0		00627-022	SOIL	128		126		122		113	
PCB		00718-001MS	SOIL	96		88		87		104	
PCB		00718-001MSD	SOIL	97		83		90		89	
PCB		LCSS130125-10	SOIL	100		81		87		87	
WH-61-DEL-		00710-010	SOLID	139		114		118		115	
FF-40_(0-1		00627-021	SOIL	150		131		133		149	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

30-150

Aqueous

30-150

30-150

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

## PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 01/29/2013

Client ID	Lab	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
				% rec	#	% rec	#	% rec	#	% rec	#
PCB		BLKS130128-03	SOIL	105		101		107		133	
WII-61-DEL-		00710-011	SOLID	112		115		112		138	
WII-61-DEL-		00710-012	SOLID	105		100		108		135	
FF-40_(2.0		00627-023	SOIL	120		138		117		147	
FF-40_(3.0		00627-024	SOIL	110		104		109		117	
EE-42(0-1.		00646-001	SOIL	119		135		120		150	
EE-42(1.0-		00646-002	SOIL	125		142		121		150	
EE-42(2.0-		00646-003	SOIL	121		119		116		147	
EE-42(3.0-		00646-004	SOIL	110		110		109		125	
DD-41(R)(1		00646-006	SOIL	123		120		123		144	
DD-41(R)(2		00646-007	SOIL	118		126		117		127	
DD-41(R)(3		00646-008	SOIL	111		122		111		136	
FF-39(0-1.		00646-009	SOIL	119		134		119		143	
FF-39(1.0-		00646-010	SOIL	124		117		120		148	
FF-39(2.0-		00646-011	SOIL	114		102		111		135	
FF-39(3.0-		00646-012	SOIL	115		110		111		147	
FF-38(0-1.		00646-013	SOIL	108		102		107		119	
FF-38(1.0-		00646-014	SOIL	75		111		100		134	
FF-38(2.0-		00646-015	SOIL	108		119		115		131	
FF-38(3.0-		00646-016	SOIL	116		134		113		124	
PCB		00646-016MS	SOIL	116		108		112		117	
PCB		00646-016MSD	SOIL	115		103		112		126	
PCB		LCSS130128-03	SOIL	115		96		110		119	
DD-41(R)(0		00646-005	SOIL	146		147		184	M	150	

Surrogate QC Limits

Soil      Aqueous

TCMX = Tetrachloro-m-xylene

30-150      30-150

DCB = Decachlorobiphenyl

30-150      30-150

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

# SOIL PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID:

LCSS130124-03

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	1000.0 *	0.0	1155.5	116	40 - 140
Aroclor-1260	1000.0 *	0.0	1085.6	109	40 - 140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

\* Extractionist inadvertently double spiked LCS.  
% Recoveries have been adjusted to reflect this.

2/6/13-A.D.

**AQUEOUS PCB BLANK SPIKE RECOVERY**

Matrix spike Lab sample ID: LCSA130124-06

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	393.0	79	40 - 140
Aroclor-1260	500.0	0.0	438.9	88	40 - 140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

# SOIL PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID:

LCSS130123-05

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	571.0	114	40 - 140
Aroclor-1260	500.0	0.0	458.4	92	40 - 140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

# SOIL PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID:

LCSS130125-10

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	438.4	88	40 - 140
Aroclor-1260	500.0	0.0	422.9	85	40 - 140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

**SOIL PCB BLANK SPIKE RECOVERY**

Matrix spike Lab sample ID:

LCSS130128-03

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	487.6	98	40 - 140
Aroclor-1260	500.0	0.0	507.5	102	40 - 140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

# AQUEOUS PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 00374-001

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	222.9	45	40 - 140
Aroclor-1260	500.0	0.0	248.9	50	40 - 140

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % # REC	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	0.0	261.8	52	14	50	40 - 140
Aroclor-1260	0.0	275.5	55	10	50	40 - 140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

# SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID:

00677-005

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	1000.0*	0.0	986.9	99	40 - 140
Aroclor-1260	1000.0*	0.0	865.6	87	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	0.0	1069.3	107	8	50	40 - 140
Aroclor-1260	0.0	1013.3	101	15	50	40 - 140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

\* Extractionist inadvertently double spiked the sample (MS/MSD). % Recoveries have been adjusted to reflect this.

2/6/13 - A.D.

# SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 00637-001

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	440.3	88	40 - 140
Aroclor-1260	500.0	0.0	452.5	91	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	0.0	467.2	93	6	50	40 - 140
Aroclor-1260	0.0	473.5	95	4	50	40 - 140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

# SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 00718-001

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	463.7	93	40 - 140
Aroclor-1260	500.0	0.0	473.9	95	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	0.0	450.5	90	3	50	40 - 140
Aroclor-1260	0.0	434.0	87	9	50	40 - 140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

**SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY**

Matrix spike Lab sample ID: 00646-016

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	510.8	102	40 - 140
Aroclor-1260	500.0	0.0	527.5	106	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	0.0	517.8	104	2	50	40 - 140
Aroclor-1260	0.0	527.9	106	0	50	40 - 140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

**PCB METHOD BLANK SUMMARY**

Lab File ID: R6883.D      Instrument ID: GC-R  
Date Extracted: 01/16/2013      Matrix: AQUEOUS  
Date Analyzed: 01/16/2013      Time Analyzed: 12:54

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

<b>Client ID</b>	<b>Lab Sample ID</b>	<b>Date Analyzed</b>	<b>Time Analyzed</b>
FIELD_BLAN	00268-031	01/16/2013	13:12
FRAC-1	00374-001	01/16/2013	13:29
PCB	00374-001MS	01/16/2013	13:46
PCB	00374-001MSD	01/16/2013	14:04
PCB	LCSA130116-05	01/16/2013	14:21

## PCB METHOD BLANK SUMMARY

Lab File ID: Y5345.D      Instrument ID: GC-Y

Date Extracted: 01/24/2013      Matrix: SOIL

Date Analyzed: 01/25/2013      Time Analyzed: 15:12

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

<b>Client ID</b>	<b>Lab Sample ID</b>	<b>Date Analyzed</b>	<b>Time Analyzed</b>
SSO-1/0-0.	00677-001	01/25/2013	15:34
SSO-2/1.0-	00677-002	01/25/2013	16:29
SSO-3/1.5-	00677-003	01/25/2013	16:46
CB-1/5.0-5	00677-004	01/25/2013	17:03
CB-2/5.25-	00677-005	01/25/2013	17:20
PCB	00677-005MS	01/25/2013	17:37
PCB	00677-005MSD	01/25/2013	17:54
PCB	LCSS130124-03	01/25/2013	18:12
S-1/2-2.5	00622-001	01/25/2013	19:03
S-2/2-2.5	00622-002	01/25/2013	19:20
S-3/2-2.5	00622-003	01/25/2013	19:37
S-4/2-2.5	00622-004	01/25/2013	19:54
DD-44_(2.0	00627-003	01/25/2013	20:12
DD-44_(3.0	00627-004	01/25/2013	20:29
CC-43_(0-1	00627-005	01/25/2013	20:46
CC-43_(1.0	00627-006	01/25/2013	21:03
CC-43_(2.0	00627-007	01/25/2013	21:20
CC-43_(3.0	00627-008	01/25/2013	21:37
DD-43/EE-4	00627-009	01/25/2013	21:54
DD-43/EE-4	00627-010	01/25/2013	22:12
DD-43/EE-4	00627-011	01/25/2013	22:29
DD-43/EE-4	00627-012	01/25/2013	22:46
FF-42_(0-1	00627-013	01/25/2013	23:03

**PCB METHOD BLANK SUMMARY**

Lab File ID: Y5430.D

Instrument ID: GC-Y

Date Extracted: 01/24/2013

Matrix: AQUEOUS

Date Analyzed: 01/26/2013

Time Analyzed: 17:36

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

<b>Client ID</b>	<b>Lab Sample ID</b>	<b>Date Analyzed</b>	<b>Time Analyzed</b>
MW-12RR	00538-005	01/26/2013	17:54
FB	00538-011	01/26/2013	18:11
EFFLUENT	00581-001	01/26/2013	18:28
MW-11RR	00538-006	01/26/2013	18:45
FB-57	00569-017	01/26/2013	19:02
FB-58	00627-025	01/26/2013	19:19
FB-59	00646-025	01/26/2013	19:36
F-TANK	00622-006	01/26/2013	19:54
FB_011813	00578-002	01/26/2013	20:11
PCB	LCSA130124-06	01/28/2013	10:56

**PCB METHOD BLANK SUMMARY**

Lab File ID: R7008.D      Instrument ID: GC-R

Date Extracted: 01/23/2013      Matrix: SOIL

Date Analyzed: 01/24/2013      Time Analyzed: 09:41

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

<b>Client ID</b>	<b>Lab Sample ID</b>	<b>Date Analyzed</b>	<b>Time Analyzed</b>
WC-1	00637-001	01/24/2013	09:58
WC-1	00645-001	01/24/2013	10:15
PCB	00637-001MS	01/24/2013	10:33
PCB	00637-001MSD	01/24/2013	10:50
PCB	LCSS130123-05	01/24/2013	11:08
CC-44_(1.0	00569-002	01/24/2013	16:04
CC-44_(2.0	00569-003	01/24/2013	16:21
CC-44_(3.0	00569-004	01/24/2013	16:39
FF-44_(0-1	00569-005	01/24/2013	16:56
FF-44_(1.0	00569-006	01/24/2013	17:14
FF-44_(2.0	00569-007	01/24/2013	17:31
FF-44_(3.0	00569-008	01/24/2013	17:48
EE-43_(0-1	00569-009	01/24/2013	18:06
EE-43_(1.0	00569-010	01/24/2013	18:23
EE-43_(2.0	00569-011	01/24/2013	18:41
EE-43_(3.0	00569-012	01/24/2013	18:58
DD-42(R)_	00569-013	01/24/2013	19:16
DD-42(R)_	00569-014	01/24/2013	19:33
DD-42(R)_	00569-015	01/24/2013	19:50
DD-42(R)_	00569-016	01/24/2013	20:08
DD-44_(0-1	00627-001	01/24/2013	20:25
CC-44_(0-1	00569-001	01/24/2013	21:00
DD-44_(1.0	00627-002	01/25/2013	10:00

## PCB METHOD BLANK SUMMARY

Lab File ID: Y5446.D      Instrument ID: GC-Y

Date Extracted: 01/25/2013      Matrix: SOIL

Date Analyzed: 01/28/2013      Time Analyzed: 15:36

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

<b>Client ID</b>	<b>Lab Sample ID</b>	<b>Date Analyzed</b>	<b>Time Analyzed</b>
WC-1/0.5	00718-001	01/28/2013	15:53
WH-61-DEL-	00710-001	01/28/2013	16:10
WH-61-DEL-	00710-002	01/28/2013	16:27
WH-61-DEL-	00710-003	01/28/2013	16:44
WH-61-DEL-	00710-004	01/28/2013	17:04
WH-61-DEL-	00710-005	01/28/2013	17:21
WH-61-DEL-	00710-006	01/28/2013	17:38
WH-61-DEL-	00710-007	01/28/2013	17:55
WH-61-DEL-	00710-008	01/28/2013	18:12
WH-61-DEL-	00710-009	01/28/2013	18:29
FF-42_(1.0	00627-014	01/28/2013	19:04
FF-42_(2.0	00627-015	01/28/2013	19:21
FF-42_(3.0	00627-016	01/28/2013	19:38
FF-41_(0-1	00627-017	01/28/2013	19:55
FF-41_(1.0	00627-018	01/28/2013	20:12
FF-41_(2.0	00627-019	01/28/2013	20:29
FF-41_(3.0	00627-020	01/28/2013	20:47
FF-40_(1.0	00627-022	01/28/2013	21:21
PCB	00718-001MS	01/28/2013	21:38
PCB	00718-001MSD	01/28/2013	21:55
PCB	LCSS130125-10	01/28/2013	22:12
WH-61-DEL-	00710-010	01/29/2013	09:33
FF-40_(0-1	00627-021	01/29/2013	09:50

## **PCB METHOD BLANK SUMMARY**

Lab File ID: R7092.D

Instrument ID: GC-R

Date Extracted: 01/28/2013

Matrix: SOIL

Date Analyzed: 01/29/2013

Time Analyzed: 22:45

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

<b>Client ID</b>	<b>Lab Sample ID</b>	<b>Date Analyzed</b>	<b>Time Analyzed</b>
WH-61-DEL-	00710-011	01/29/2013	23:03
WH-61-DEL-	00710-012	01/29/2013	23:20
FF-40_(2.0	00627-023	01/29/2013	23:38
FF-40_(3.0	00627-024	01/29/2013	23:55
EE-42(0-1.	00646-001	01/30/2013	00:12
EE-42(1.0-	00646-002	01/30/2013	00:30
EE-42(2.0-	00646-003	01/30/2013	00:47
EE-42(3.0-	00646-004	01/30/2013	01:05
DD-41(R)(1	00646-006	01/30/2013	01:40
DD-41(R)(2	00646-007	01/30/2013	01:57
DD-41(R)(3	00646-008	01/30/2013	02:15
FF-39(0-1.	00646-009	01/30/2013	02:32
FF-39(1.0-	00646-010	01/30/2013	02:49
FF-39(2.0-	00646-011	01/30/2013	03:07
FF-39(3.0-	00646-012	01/30/2013	03:24
FF-38(0-1.	00646-013	01/30/2013	03:42
FF-38(1.0-	00646-014	01/30/2013	03:59
FF-38(2.0-	00646-015	01/30/2013	04:16
FF-38(3.0-	00646-016	01/30/2013	04:34
PCB	00646-016MS	01/30/2013	04:51
PCB	00646-016MSD	01/30/2013	05:09
PCB	LCSS130128-03	01/30/2013	05:26
DD-41(R)(0	00646-005	01/30/2013	12:16

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed:

01/21/2013

Instrument ID:

GC-R

GC Column (1st):

DB-5

Data File:

R6952.D R6951.D R6950.D R6953.D R6948.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.89	3.89	3.89	3.89	3.89	3.89	3.82	3.96
Aroclor-1016 {2}	4.78	4.78	4.78	4.78	4.78	4.78	4.71	4.85
Aroclor-1016 {3}	5.37	5.37	5.37	5.37	5.36	5.37	5.30	5.44
Aroclor-1016 {4}	5.89	5.89	5.89	5.89	5.89	5.89	5.82	5.96
Aroclor-1016 {5}	6.31	6.31	6.31	6.31	6.30	6.31	6.24	6.38
Aroclor-1221			2.67				2.60	2.74
Aroclor-1221 {2}			3.67				3.60	3.74
Aroclor-1221 {3}			3.81				3.74	3.88
Aroclor-1221 {4}			3.89				3.82	3.96
Aroclor-1221 {5}			4.54				4.47	4.61
Aroclor-1232			3.89				3.82	3.96
Aroclor-1232 {2}			4.79				4.72	4.86
Aroclor-1232 {3}			5.49				5.42	5.56
Aroclor-1232 {4}			6.11				6.04	6.18
Aroclor-1232 {5}			6.31				6.24	6.38
Aroclor-1242			4.78				4.71	4.85
Aroclor-1242 {2}			5.77				5.70	5.84
Aroclor-1242 {3}			6.11				6.04	6.18
Aroclor-1242 {4}			6.83				6.76	6.90
Aroclor-1242 {5}			7.12				7.05	7.19
Aroclor-1248			5.21				5.13	5.29
Aroclor-1248 {2}			5.77				5.69	5.85
Aroclor-1248 {3}			6.11				6.03	6.19
Aroclor-1248 {4}			6.83				6.75	6.91
Aroclor-1248 {5}			7.12				7.04	7.20
Aroclor-1254			7.23				7.15	7.31
Aroclor-1254 {2}			7.68				7.60	7.76
Aroclor-1254 {3}			7.86				7.77	7.95
Aroclor-1254 {4}			8.31				8.22	8.40
Aroclor-1254 {5}			9.16				9.07	9.25
Aroclor-1260	9.16	9.16	9.16	9.16	9.15	9.16	8.26	10.06
Aroclor-1260 {2}	9.84	9.84	9.84	9.84	9.84	9.84	8.94	10.74
Aroclor-1260 {3}	10.33	10.33	10.32	10.32	10.32	10.32	9.42	11.22
Aroclor-1260 {4}	10.82	10.82	10.82	10.82	10.81	10.82	9.92	11.72
Aroclor-1260 {5}	11.89	11.89	11.89	11.89	11.88	11.89	10.99	12.79

# AROCLOL INITIAL CALIBRATION SUMMARY

Date Analyzed:

01/21/2013

Instrument ID:

GC-R

GC Column (1st):

DB-5

Data File:

R6952.D

R6951.D

R6950.D

R6953.D

R6948.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	6923650	7684714	7327706	7363282	6547474	7169365	6.14
Aroclor-1016 {2}	10091502	10640005	9964207	9861577	9366803	9984819	4.58
Aroclor-1016 {3}	11755800	14000282	13670725	14142387	12490561	13211951	7.88
Aroclor-1016 {4}	7630483	7162501	6713491	7232559	6312775	7010362	7.24
Aroclor-1016 {5}	11207844	11146379	10844729	11533095	10497010	11045811	3.55
Aroclor-1221			2264536				
Aroclor-1221 {2}			3583604				
Aroclor-1221 {3}			2339490				
Aroclor-1221 {4}			8797715				
Aroclor-1221 {5}			1379904				
Aroclor-1232			5803660				
Aroclor-1232 {2}			2730431				
Aroclor-1232 {3}			2840036				
Aroclor-1232 {4}			2724887				
Aroclor-1232 {5}			4241722				
Aroclor-1242			6299249				
Aroclor-1242 {2}			3835990				
Aroclor-1242 {3}			5377745				
Aroclor-1242 {4}			10836819				
Aroclor-1242 {5}			7800623				
Aroclor-1248			13455404				
Aroclor-1248 {2}			7253526				
Aroclor-1248 {3}			8293692				
Aroclor-1248 {4}			17440251				
Aroclor-1248 {5}			13164311				
Aroclor-1254			17617107				
Aroclor-1254 {2}			11280710				
Aroclor-1254 {3}			21380144				
Aroclor-1254 {4}			21071563				
Aroclor-1254 {5}			18619914				
Aroclor-1260	25400488	27349327	26752739	27569802	24069187	26228309	5.62
Aroclor-1260 {2}	12121848	12351725	9928525	11810288	10106046	11263686	10.26
Aroclor-1260 {3}	27318951	31233881	27708061	29612065	25493633	28273318	7.81
Aroclor-1260 {4}	12336021	14480550	13714920	13950802	13488608	13594180	5.84
Aroclor-1260 {5}	4691775	4813230	5628425	5054965	4815589	5000797	7.49
Average %RSD						6.64	

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/21/2013      Instrument ID: GC-R  
 GC Column (2nd): DB-1701P

Data File: R6952.C R6951.C R6950.C R6953.C R6948.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	4.25	4.24	4.23	4.24	4.23	4.24	4.17	4.31
Aroclor-1016 {2}	4.86	4.85	4.85	4.86	4.85	4.85	4.78	4.92
Aroclor-1016 {3}	5.63	5.62	5.62	5.63	5.63	5.63	5.56	5.70
Aroclor-1016 {4}	5.85	5.84	5.84	5.85	5.83	5.84	5.77	5.91
Aroclor-1016 {5}	6.03	6.01	6.01	6.02	6.01	6.02	5.95	6.09
Aroclor-1221			2.85				2.78	2.92
Aroclor-1221 {2}			3.90				3.83	3.97
Aroclor-1221 {3}			4.14				4.07	4.21
Aroclor-1221 {4}			4.24				4.17	4.31
Aroclor-1221 {5}			5.63				5.56	5.70
Aroclor-1232			4.24				4.17	4.31
Aroclor-1232 {2}			5.25				5.18	5.32
Aroclor-1232 {3}			5.84				5.77	5.91
Aroclor-1232 {4}			6.02				5.95	6.09
Aroclor-1232 {5}			6.62				6.55	6.69
Aroclor-1242			5.24				5.17	5.31
Aroclor-1242 {2}			6.02				5.95	6.09
Aroclor-1242 {3}			6.62				6.55	6.69
Aroclor-1242 {4}			6.78				6.71	6.85
Aroclor-1242 {5}			7.35				7.28	7.42
Aroclor-1248			5.62				5.54	5.70
Aroclor-1248 {2}			6.22				6.14	6.30
Aroclor-1248 {3}			6.62				6.54	6.70
Aroclor-1248 {4}			6.78				6.70	6.86
Aroclor-1248 {5}			7.14				7.06	7.22
Aroclor-1254			7.63				7.55	7.71
Aroclor-1254 {2}			8.23				8.15	8.31
Aroclor-1254 {3}			8.67				8.58	8.76
Aroclor-1254 {4}			8.86				8.77	8.95
Aroclor-1254 {5}			9.68				9.59	9.77
Aroclor-1260	8.68	8.67	8.67	8.67	8.66	8.67	7.77	9.57
Aroclor-1260 {2}	9.09	9.08	9.08	9.09	9.08	9.08	8.18	9.98
Aroclor-1260 {3}	10.29	10.28	10.27	10.28	10.27	10.28	9.38	11.18
Aroclor-1260 {4}	10.80	10.79	10.78	10.79	10.78	10.79	9.89	11.69
Aroclor-1260 {5}	11.39	11.38	11.38	11.39	11.38	11.38	10.48	12.28

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/21/2013      Instrument ID: GC-R  
 GC Column (2nd): DB-1701P

Data File: R6952.C R6951.C R6950.C R6953.C R6948.C

Compound	CALIBRATION FACTORS						%RSD
	10	50	500	1000	2000	MEAN	
Aroclor-1016	10233950	10473001	8659934	8475672	7664906	9101493	13.25
Aroclor-1016 {2}	22561005	20874725	17322921	17112039	15453437	18664825	15.75
Aroclor-1016 {3}	48328324	44835070	39255668	39883226	34583108	41377079	12.85
Aroclor-1016 {4}	20148747	19443867	15871468	16042970	15198102	17341031	13.13
Aroclor-1016 {5}	15633553	14840750	12427842	12669382	11837636	13481832	12.27
Aroclor-1221			3023915				
Aroclor-1221 {2}			4618501				
Aroclor-1221 {3}			2752913				
Aroclor-1221 {4}			10111149				
Aroclor-1221 {5}			1916103				
Aroclor-1232			6989230				
Aroclor-1232 {2}			2610023				
Aroclor-1232 {3}			4914930				
Aroclor-1232 {4}			4148526				
Aroclor-1232 {5}			5635418				
Aroclor-1242			4767201				
Aroclor-1242 {2}			7955768				
Aroclor-1242 {3}			10125916				
Aroclor-1242 {4}			8598935				
Aroclor-1242 {5}			15869604				
Aroclor-1248			15276170				
Aroclor-1248 {2}			21968604				
Aroclor-1248 {3}			15761463				
Aroclor-1248 {4}			14456375				
Aroclor-1248 {5}			7554539				
Aroclor-1254			18898505				
Aroclor-1254 {2}			14780048				
Aroclor-1254 {3}			9085909				
Aroclor-1254 {4}			13004018				
Aroclor-1254 {5}			18237926				
Aroclor-1260	21829276	20965498	17687959	18153353	17379174	19203052	10.65
Aroclor-1260 {2}	24101577	23076043	19320521	19105269	17981453	20716973	13.01
Aroclor-1260 {3}	14938967	16282788	14137135	14266829	14075882	14740320	6.30
Aroclor-1260 {4}	34735178	32640767	29301342	28969000	29467690	31022796	8.22
Aroclor-1260 {5}	20791850	21683493	19721977	20360787	20968123	20705246	3.52

Average %RSD

10.90

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/21/2013      Instrument ID: GC-R  
 GC Column (1st): DB-5

Data File: R6952.D R6951.D R6950.D R6953.D R6948.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.54				8.64	8.64
Aroclor-1262 {2}			10.33				9.43	9.43
Aroclor-1262 {3}			10.96				10.06	10.06
Aroclor-1262 {4}			11.05				10.05	10.05
Aroclor-1262 {5}			11.89				10.89	10.89
Aroclor-1268			10.96				9.96	9.96
Aroclor-1268 {2}			11.05				9.95	9.95
Aroclor-1268 {3}			11.52				10.42	10.42
Aroclor-1268 {4}			11.66				10.56	10.56
Aroclor-1268 {5}			12.50				11.40	11.40

GC Column (2nd): DB-1701P

Data File: R6952.C R6951.C R6950.C R6953.C R6948.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			10.27				9.37	9.37
Aroclor-1262 {2}			10.79				9.89	9.89
Aroclor-1262 {3}			11.29				10.39	10.39
Aroclor-1262 {4}			11.38				10.38	10.38
Aroclor-1262 {5}			11.99				10.99	10.99
Aroclor-1268			11.29				10.29	10.29
Aroclor-1268 {2}			11.37				10.27	10.27
Aroclor-1268 {3}			11.62				10.52	10.52
Aroclor-1268 {4}			11.77				10.67	10.67
Aroclor-1268 {5}			12.86				11.76	11.76

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed:

01/21/2013

Instrument ID:

GC-R

GC Column (1st):

DB-5

Data File:

R6952.D

R6951.D

R6950.D

R6953.D

R6948.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			9294890				
Aroclor-1262 {2}			33388495				
Aroclor-1262 {3}			11115076				
Aroclor-1262 {4}			13029011				
Aroclor-1262 {5}			8385469				
Aroclor-1268			30310296				
Aroclor-1268 {2}			32971268				
Aroclor-1268 {3}			22797886				
Aroclor-1268 {4}			6245809				
Aroclor-1268 {5}			61978436				

GC Column (2nd): DB-1701P

Data File:

R6952.C

R6951.C

R6950.C

R6953.C

R6948.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			15171419				
Aroclor-1262 {2}			33225428				
Aroclor-1262 {3}			10075351				
Aroclor-1262 {4}			21739821				
Aroclor-1262 {5}			3779046				
Aroclor-1268			31974328				
Aroclor-1268 {2}			34030072				
Aroclor-1268 {3}			25471984				
Aroclor-1268 {4}			6324039				
Aroclor-1268 {5}			77180130				

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed:

01/24/2013

Instrument ID:

GC-R

Data File:

R7007.D

GC Column (1st):

DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.89	3.82	3.96	7169365	6959717	2.92
Aroclor-1016 {2}	4.78	4.71	4.85	9984819	8556659	14.30
Aroclor-1016 {3}	5.36	5.30	5.44	13211951	13077872	1.01
Aroclor-1016 {4}	5.89	5.82	5.96	7010362	6634887	5.36
Aroclor-1016 {5}	6.30	6.24	6.38	11045811	10627911	3.78
Aroclor-1260	9.16	8.26	10.06	26228309	24769831	5.56
Aroclor-1260 {2}	9.84	8.94	10.74	11263686	10157471	9.82
Aroclor-1260 {3}	10.32	9.42	11.22	28273318	26215930	7.28
Aroclor-1260 {4}	10.81	9.92	11.72	13594180	11805883	13.15
Aroclor-1260 {5}	11.88	10.99	12.79	5000797	4185433	16.30

Data File:

R7007.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.24	4.17	4.31	9101493	9706727	6.65
Aroclor-1016 {2}	4.85	4.78	4.92	18664825	19762421	5.88
Aroclor-1016 {3}	5.63	5.56	5.70	41377079	44570519	7.72
Aroclor-1016 {4}	5.84	5.77	5.91	17341031	17486548	0.84
Aroclor-1016 {5}	6.02	5.95	6.09	13481832	14310051	6.14
Aroclor-1260	8.67	7.77	9.57	19203052	21013563	9.43
Aroclor-1260 {2}	9.08	8.18	9.98	20716973	21290354	2.77
Aroclor-1260 {3}	10.27	9.38	11.18	14740320	16299726	10.58
Aroclor-1260 {4}	10.78	9.89	11.69	31022796	33350571	7.50
Aroclor-1260 {5}	11.38	10.48	12.28	20705246	22445116	8.40

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/24/2013

Instrument ID: GC-R

Data File: R7035.D

GC Column (1st):

DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.89	3.82	3.96	7169365	7267113	1.36
Aroclor-1016 {2}	4.79	4.71	4.85	9984819	8661461	13.25
Aroclor-1016 {3}	5.37	5.30	5.44	13211951	13735500	3.96
Aroclor-1016 {4}	5.90	5.82	5.96	7010362	6906236	1.49
Aroclor-1016 {5}	6.31	6.24	6.38	11045811	11004838	0.37
Aroclor-1260	9.16	8.26	10.06	26228309	27367139	4.34
Aroclor-1260 {2}	9.84	8.94	10.74	11263686	11437367	1.54
Aroclor-1260 {3}	10.32	9.42	11.22	28273318	28104734	0.60
Aroclor-1260 {4}	10.82	9.92	11.72	13594180	12271744	9.73
Aroclor-1260 {5}	11.89	10.99	12.79	5000797	4782152	4.37

Data File: R7035.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.24	4.17	4.31	9101493	9639320	5.91
Aroclor-1016 {2}	4.85	4.78	4.92	18664825	19272321	3.25
Aroclor-1016 {3}	5.63	5.56	5.70	41377079	43607194	5.39
Aroclor-1016 {4}	5.84	5.77	5.91	17341031	16922148	2.42
Aroclor-1016 {5}	6.02	5.95	6.09	13481832	14097642	4.57
Aroclor-1260	8.67	7.77	9.57	19203052	21122017	9.99
Aroclor-1260 {2}	9.08	8.18	9.98	20716973	21154148	2.11
Aroclor-1260 {3}	10.27	9.38	11.18	14740320	16944851	14.96
Aroclor-1260 {4}	10.78	9.89	11.69	31022796	35178017	13.39
Aroclor-1260 {5}	11.38	10.48	12.28	20705246	24553845	18.59

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed:

01/25/2013

Instrument ID:

GC-R

Data File:

R7036.D

GC Column (1st):

DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.89	3.82	3.96	7169365	7075197	1.31
Aroclor-1016 {2}	4.78	4.71	4.85	9984819	8358366	16.29
Aroclor-1016 {3}	5.37	5.30	5.44	13211951	13875528	5.02
Aroclor-1016 {4}	5.89	5.82	5.96	7010362	7117559	1.53
Aroclor-1016 {5}	6.31	6.24	6.38	11045811	10656705	3.52
Aroclor-1260	9.16	8.26	10.06	26228309	26571757	1.31
Aroclor-1260 {2}	9.84	8.94	10.74	11263686	10536392	6.46
Aroclor-1260 {3}	10.32	9.42	11.22	28273318	28219585	0.19
Aroclor-1260 {4}	10.81	9.92	11.72	13594180	11533409	15.16
Aroclor-1260 {5}	11.88	10.99	12.79	5000797	4382723	12.36

Data File:

R7036.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.24	4.17	4.31	9101493	10877461	19.51
Aroclor-1016 {2}	4.86	4.78	4.92	18664825	21735311	16.45
Aroclor-1016 {3}	5.63	5.56	5.70	41377079	49487336	19.60
Aroclor-1016 {4}	5.84	5.77	5.91	17341031	17996171	3.78
Aroclor-1016 {5}	6.02	5.95	6.09	13481832	15366783	13.98
Aroclor-1260	8.67	7.77	9.57	19203052	22768981	18.57
Aroclor-1260 {2}	9.08	8.18	9.98	20716973	21384576	3.22
Aroclor-1260 {3}	10.27	9.38	11.18	14740320	17066582	15.78
Aroclor-1260 {4}	10.78	9.89	11.69	31022796	36654442	18.15
Aroclor-1260 {5}	11.38	10.48	12.28	20705246	24370591	17.70

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/25/2013

Instrument ID: GC-R

Data File: R7038.D

GC Column (1st):

DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.89	3.82	3.96	7169365	6818369	4.90
Aroclor-1016 {2}	4.78	4.71	4.85	9984819	9565399	4.20
Aroclor-1016 {3}	5.37	5.30	5.44	13211951	12910002	2.29
Aroclor-1016 {4}	5.89	5.82	5.96	7010362	6579444	6.15
Aroclor-1016 {5}	6.31	6.24	6.38	11045811	10389606	5.94
Aroclor-1260	9.16	8.26	10.06	26228309	25778588	1.71
Aroclor-1260 {2}	9.84	8.94	10.74	11263686	11084957	1.59
Aroclor-1260 {3}	10.32	9.42	11.22	28273318	27727384	1.93
Aroclor-1260 {4}	10.82	9.92	11.72	13594180	13141397	3.33
Aroclor-1260 {5}	11.88	10.99	12.79	5000797	5242842	4.84

Data File: R7038.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.24	4.17	4.31	9101493	9647414	6.00
Aroclor-1016 {2}	4.86	4.78	4.92	18664825	19845915	6.33
Aroclor-1016 {3}	5.63	5.56	5.70	41377079	45243657	9.34
Aroclor-1016 {4}	5.84	5.77	5.91	17341031	18453476	6.42
Aroclor-1016 {5}	6.02	5.95	6.09	13481832	14428714	7.02
Aroclor-1260	8.67	7.77	9.57	19203052	21697629	12.99
Aroclor-1260 {2}	9.08	8.18	9.98	20716973	22928850	10.68
Aroclor-1260 {3}	10.27	9.38	11.18	14740320	16561143	12.35
Aroclor-1260 {4}	10.78	9.89	11.69	31022796	35502267	14.44
Aroclor-1260 {5}	11.38	10.48	12.28	20705246	23484904	13.42

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/25/2013

Instrument ID: GC-Y  
GC Column (1st): DB-5

Data File: Y5335.D Y5333.D Y5334.D Y5332.D Y5331.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.26	3.25	3.25	3.25	3.25	3.25	3.17	3.33
Aroclor-1016 {2}	4.08	4.08	4.08	4.08	4.08	4.08	4.00	4.16
Aroclor-1016 {3}	4.63	4.63	4.63	4.63	4.63	4.63	4.55	4.71
Aroclor-1016 {4}	5.13	5.13	5.13	5.13	5.13	5.13	5.05	5.21
Aroclor-1016 {5}	5.53	5.53	5.52	5.53	5.52	5.52	5.44	5.60
Aroclor-1221			2.16				2.09	2.23
Aroclor-1221 {2}			3.05				2.98	3.12
Aroclor-1221 {3}			3.17				3.10	3.24
Aroclor-1221 {4}			3.25				3.18	3.32
Aroclor-1221 {5}			3.84				3.77	3.91
Aroclor-1232			3.25				3.18	3.32
Aroclor-1232 {2}			4.08				4.01	4.15
Aroclor-1232 {3}			4.74				4.67	4.81
Aroclor-1232 {4}			5.33				5.26	5.40
Aroclor-1232 {5}			5.53				5.46	5.60
Aroclor-1242			4.08				4.01	4.15
Aroclor-1242 {2}			5.01				4.94	5.08
Aroclor-1242 {3}			5.33				5.26	5.40
Aroclor-1242 {4}			6.03				5.96	6.10
Aroclor-1242 {5}			6.30				6.23	6.37
Aroclor-1248			4.48				4.40	4.56
Aroclor-1248 {2}			5.01				4.93	5.09
Aroclor-1248 {3}			5.33				5.25	5.41
Aroclor-1248 {4}			6.03				5.95	6.11
Aroclor-1248 {5}			6.30				6.22	6.38
Aroclor-1254			6.42				6.34	6.50
Aroclor-1254 {2}			6.85				6.77	6.93
Aroclor-1254 {3}			7.02				6.93	7.11
Aroclor-1254 {4}			7.46				7.37	7.55
Aroclor-1254 {5}			8.30				8.21	8.39
Aroclor-1260	8.30	8.30	8.30	8.30	8.30	8.30	7.30	9.30
Aroclor-1260 {2}	8.97	8.97	8.97	8.97	8.97	8.97	7.97	9.97
Aroclor-1260 {3}	9.45	9.45	9.44	9.44	9.45	9.45	8.45	10.45
Aroclor-1260 {4}	9.92	9.93	9.93	9.93	9.93	9.93	8.93	10.93
Aroclor-1260 {5}	10.99	10.99	10.98	10.99	10.98	10.99	9.99	11.99

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/25/2013      Instrument ID: GC-Y  
 GC Column (1st): DB-5

Data File: Y5335.D Y5333.D Y5334.D Y5332.D Y5331.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	1757934	1806237	1761919	1663937	1574754	1712956	5.43
Aroclor-1016 {2}	2592381	2450599	2511332	2411989	2282556	2449772	4.72
Aroclor-1016 {3}	3358944	3341023	3303316	3220501	3061634	3257084	3.73
Aroclor-1016 {4}	1538381	1564064	1580883	1562618	1530467	1555283	1.32
Aroclor-1016 {5}	2429564	2645287	2676285	2670785	2673939	2619172	4.07
Aroclor-1221			759396				
Aroclor-1221 {2}			1414115				
Aroclor-1221 {3}			912052				
Aroclor-1221 {4}			3208112				
Aroclor-1221 {5}			628030				
Aroclor-1232			2181450				
Aroclor-1232 {2}			1220704				
Aroclor-1232 {3}			1142534				
Aroclor-1232 {4}			1131867				
Aroclor-1232 {5}			1629943				
Aroclor-1242			2364433				
Aroclor-1242 {2}			1553722				
Aroclor-1242 {3}			2054130				
Aroclor-1242 {4}			3449034				
Aroclor-1242 {5}			2832395				
Aroclor-1248			4721837				
Aroclor-1248 {2}			2771942				
Aroclor-1248 {3}			3262631				
Aroclor-1248 {4}			5937434				
Aroclor-1248 {5}			4222650				
Aroclor-1254			5362925				
Aroclor-1254 {2}			4117286				
Aroclor-1254 {3}			7953849				
Aroclor-1254 {4}			8006222				
Aroclor-1254 {5}			7433443				
Aroclor-1260	6293612	7126476	7717640	7749389	7515281	7280479	8.31
Aroclor-1260 {2}	2999188	3106663	3340417	3194797	3096672	3147547	4.07
Aroclor-1260 {3}	7880935	9045070	9753764	9649678	9258917	9117673	8.21
Aroclor-1260 {4}	3890758	4213575	4410300	4523703	4323916	4272451	5.66
Aroclor-1260 {5}	2078950	1909543	2483598	2127205	2203664	2160592	9.74
Average %RSD							5.53

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/25/2013      Instrument ID: GC-Y  
 GC Column (2nd): DB-1701P

Data File: Y5335.C Y5333.C Y5334.C Y5332.C Y5331.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.74	3.74	3.74	3.74	3.74	3.74	3.66	3.82
Aroclor-1016 {2}	4.33	4.33	4.34	4.34	4.34	4.34	4.26	4.42
Aroclor-1016 {3}	5.08	5.08	5.09	5.08	5.08	5.08	5.00	5.16
Aroclor-1016 {4}	5.29	5.29	5.29	5.29	5.29	5.29	5.21	5.37
Aroclor-1016 {5}	5.46	5.46	5.47	5.46	5.46	5.46	5.38	5.54
Aroclor-1221			2.43				2.36	2.50
Aroclor-1221 {2}			3.42				3.35	3.49
Aroclor-1221 {3}			3.65				3.58	3.72
Aroclor-1221 {4}			3.75				3.68	3.82
Aroclor-1221 {5}			5.09				5.02	5.16
Aroclor-1232			3.74				3.67	3.81
Aroclor-1232 {2}			4.71				4.64	4.78
Aroclor-1232 {3}			5.29				5.22	5.36
Aroclor-1232 {4}			5.46				5.39	5.53
Aroclor-1232 {5}			6.06				5.99	6.13
Aroclor-1242			4.71				4.64	4.78
Aroclor-1242 {2}			5.46				5.39	5.53
Aroclor-1242 {3}			6.06				5.99	6.13
Aroclor-1242 {4}			6.21				6.14	6.28
Aroclor-1242 {5}			6.76				6.69	6.83
Aroclor-1248			5.08				5.00	5.16
Aroclor-1248 {2}			5.66				5.58	5.74
Aroclor-1248 {3}			6.06				5.98	6.14
Aroclor-1248 {4}			6.21				6.13	6.29
Aroclor-1248 {5}			6.56				6.48	6.64
Aroclor-1254			7.05				6.97	7.13
Aroclor-1254 {2}			7.63				7.55	7.71
Aroclor-1254 {3}			8.25				8.16	8.34
Aroclor-1254 {4}			8.48				8.39	8.57
Aroclor-1254 {5}			9.06				8.97	9.15
Aroclor-1260	7.82	7.82	7.82	7.82	7.82	7.82	6.82	8.82
Aroclor-1260 {2}	8.07	8.07	8.07	8.07	8.07	8.07	7.07	9.07
Aroclor-1260 {3}	9.65	9.65	9.66	9.66	9.66	9.66	8.66	10.66
Aroclor-1260 {4}	10.16	10.16	10.16	10.16	10.16	10.16	9.16	11.16
Aroclor-1260 {5}	10.75	10.75	10.75	10.75	10.75	10.75	9.75	11.75

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/25/2013      Instrument ID: GC-Y  
 GC Column (2nd): DB-1701P

Data File: Y5335.C Y5333.C Y5334.C Y5332.C Y5331.C

Compound	CALIBRATION FACTORS						%RSD
	10	50	500	1000	2000	MEAN	
Aroclor-1016	676116	592145	535428	501964	472773	555685	14.51
Aroclor-1016 {2}	1430836	1252385	1085147	1014531	954179	1147416	16.89
Aroclor-1016 {3}	2866682	2612872	2348701	2267582	2173835	2453934	11.52
Aroclor-1016 {4}	1240465	1101337	1025380	971069	919348	1051520	11.92
Aroclor-1016 {5}	917262	854831	778399	752709	722329	805106	9.89
Aroclor-1221			265255				
Aroclor-1221 {2}			374700				
Aroclor-1221 {3}			257330				
Aroclor-1221 {4}			926281				
Aroclor-1221 {5}			166272				
Aroclor-1232			657024				
Aroclor-1232 {2}			244286				
Aroclor-1232 {3}			522210				
Aroclor-1232 {4}			408479				
Aroclor-1232 {5}			577181				
Aroclor-1242			448048				
Aroclor-1242 {2}			774952				
Aroclor-1242 {3}			1019409				
Aroclor-1242 {4}			852925				
Aroclor-1242 {5}			1644806				
Aroclor-1248			1377427				
Aroclor-1248 {2}			2141584				
Aroclor-1248 {3}			1519196				
Aroclor-1248 {4}			1285374				
Aroclor-1248 {5}			725758				
Aroclor-1254			1916926				
Aroclor-1254 {2}			1505795				
Aroclor-1254 {3}			1364194				
Aroclor-1254 {4}			859038				
Aroclor-1254 {5}			2092616				
Aroclor-1260	1029148	1024300	861288	836231	789088	908011	12.27
Aroclor-1260 {2}	1560262	1535115	1315072	1266793	1194216	1374292	11.95
Aroclor-1260 {3}	1156315	1191784	1092170	1090693	1064829	1119158	4.72
Aroclor-1260 {4}	2754525	2661873	2421984	2446971	2415469	2540164	6.19
Aroclor-1260 {5}	1807320	1992793	1751047	1775499	1738948	1813121	5.72

Average %RSD

10.56

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/25/2013      Instrument ID: GC-Y  
 GC Column (1st): DB-5

Data File: Y5335.D Y5333.D Y5334.D Y5332.D Y5331.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			8.59				7.69	7.69
Aroclor-1262 {2}			9.45				8.55	8.55
Aroclor-1262 {3}			10.07				9.17	9.17
Aroclor-1262 {4}			10.16				9.16	9.16
Aroclor-1262 {5}			10.99				9.99	9.99
Aroclor-1268			10.08				9.08	9.08
Aroclor-1268 {2}			10.16				9.06	9.06
Aroclor-1268 {3}			10.62				9.52	9.52
Aroclor-1268 {4}			10.75				9.65	9.65
Aroclor-1268 {5}			11.59				10.49	10.49

GC Column (2nd): DB-1701P

Data File: Y5335.C Y5333.C Y5334.C Y5332.C Y5331.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.65				8.75	8.75
Aroclor-1262 {2}			10.16				9.26	9.26
Aroclor-1262 {3}			10.65				9.75	9.75
Aroclor-1262 {4}			10.74				9.74	9.74
Aroclor-1262 {5}			11.34				10.34	10.34
Aroclor-1268			10.65				9.65	9.65
Aroclor-1268 {2}			10.74				9.64	9.64
Aroclor-1268 {3}			10.99				9.89	9.89
Aroclor-1268 {4}			11.13				10.03	10.03
Aroclor-1268 {5}			12.21				11.11	11.11

# PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/25/2013      Instrument ID: GC-Y  
     GC Column (1st): DB-5

Data File: Y5335.D Y5333.D Y5334.D Y5332.D Y5331.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			7555340				
Aroclor-1262 {2}			16406416				
Aroclor-1262 {3}			5688611				
Aroclor-1262 {4}			7881684				
Aroclor-1262 {5}			5567187				
Aroclor-1268			14203449				
Aroclor-1268 {2}			21979623				
Aroclor-1268 {3}			16244902				
Aroclor-1268 {4}			4562401				
Aroclor-1268 {5}			51236943				

GC Column (2nd): DB-1701P

Data File: Y5335.C Y5333.C Y5334.C Y5332.C Y5331.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			1854646				
Aroclor-1262 {2}			4140290				
Aroclor-1262 {3}			1327424				
Aroclor-1262 {4}			2905909				
Aroclor-1262 {5}			506598				
Aroclor-1268			4121066				
Aroclor-1268 {2}			4634569				
Aroclor-1268 {3}			3594558				
Aroclor-1268 {4}			1111384				
Aroclor-1268 {5}			10725724				

# PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/25/2013

Instrument ID: GC-Y

Data File: Y5344.D

GC Column (1st):

DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.25	3.17	3.33	1712956	1657776	3.22
Aroclor-1016 {2}	4.07	4.00	4.16	2449772	2321920	5.22
Aroclor-1016 {3}	4.62	4.55	4.71	3257084	2997624	7.97
Aroclor-1016 {4}	5.12	5.05	5.21	1555283	1491034	4.13
Aroclor-1016 {5}	5.52	5.44	5.60	2619172	2470646	5.67
Aroclor-1260	8.29	7.30	9.30	7280479	6577837	9.65
Aroclor-1260 {2}	8.96	7.97	9.97	3147547	2766532	12.11
Aroclor-1260 {3}	9.44	8.45	10.45	9117673	9005614	1.23
Aroclor-1260 {4}	9.92	8.93	10.93	4272451	4157762	2.68
Aroclor-1260 {5}	10.98	9.99	11.99	2160592	2114628	2.13
Average %D						5.40

Data File: Y5344.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.75	3.66	3.82	555685	506778	8.80
Aroclor-1016 {2}	4.34	4.26	4.42	1147416	1024228	10.74
Aroclor-1016 {3}	5.09	5.00	5.16	2453934	2178831	11.21
Aroclor-1016 {4}	5.29	5.21	5.37	1051520	944120	10.21
Aroclor-1016 {5}	5.47	5.38	5.54	805106	725545	9.88
Aroclor-1260	7.82	6.82	8.82	908011	802894	11.58
Aroclor-1260 {2}	8.07	7.07	9.07	1374292	1215424	11.56
Aroclor-1260 {3}	9.66	8.66	10.66	1119158	1045208	6.61
Aroclor-1260 {4}	10.16	9.16	11.16	2540164	2286115	10.00
Aroclor-1260 {5}	10.75	9.75	11.75	1813121	1668874	7.96
Average %D						9.85

# PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/25/2013

Instrument ID: GC-Y

Data File: Y5370.D

GC Column (1st):

DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.26	3.17	3.33	1712956	1607438	6.16
Aroclor-1016 {2}	4.08	4.00	4.16	2449772	2204994	9.99
Aroclor-1016 {3}	4.63	4.55	4.71	3257084	3023496	7.17
Aroclor-1016 {4}	5.14	5.05	5.21	1555283	1526180	1.87
Aroclor-1016 {5}	5.53	5.44	5.60	2619172	2475913	5.47
Aroclor-1260	8.30	7.30	9.30	7280479	6870506	5.63
Aroclor-1260 {2}	8.97	7.97	9.97	3147547	3063438	2.67
Aroclor-1260 {3}	9.45	8.45	10.45	9117673	8571868	5.99
Aroclor-1260 {4}	9.93	8.93	10.93	4272451	3822592	10.53
Aroclor-1260 {5}	10.99	9.99	11.99	2160592	2051919	5.03
Average %D						6.05

Data File: Y5370.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.74	3.66	3.82	555685	510442	8.14
Aroclor-1016 {2}	4.34	4.26	4.42	1147416	1027701	10.43
Aroclor-1016 {3}	5.09	5.00	5.16	2453934	2208413	10.01
Aroclor-1016 {4}	5.29	5.21	5.37	1051520	947355	9.91
Aroclor-1016 {5}	5.47	5.38	5.54	805106	731445	9.15
Aroclor-1260	7.82	6.82	8.82	908011	819133	9.79
Aroclor-1260 {2}	8.07	7.07	9.07	1374292	1270657	7.54
Aroclor-1260 {3}	9.66	8.66	10.66	1119158	1109819	0.83
Aroclor-1260 {4}	10.17	9.16	11.16	2540164	2475015	2.56
Aroclor-1260 {5}	10.75	9.75	11.75	1813121	1819504	0.35
Average %D						6.87

# PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/26/2013

Instrument ID: GC-Y

Data File: Y5429.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.26	3.17	3.33	1712956	1586574	7.38
Aroclor-1016 {2}	4.08	4.00	4.16	2449772	2110231	13.86
Aroclor-1016 {3}	4.63	4.55	4.71	3257084	3012901	7.50
Aroclor-1016 {4}	5.14	5.05	5.21	1555283	1570144	0.96
Aroclor-1016 {5}	5.53	5.44	5.60	2619172	2477077	5.43
Aroclor-1260	8.31	7.30	9.30	7280479	7377788	1.34
Aroclor-1260 {2}	8.98	7.97	9.97	3147547	2799496	11.06
Aroclor-1260 {3}	9.45	8.45	10.45	9117673	9553630	4.78
Aroclor-1260 {4}	9.93	8.93	10.93	4272451	4131932	3.29
Aroclor-1260 {5}	10.99	9.99	11.99	2160592	2051903	5.03

Data File: Y5429.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.74	3.66	3.82	555685	527133	5.14
Aroclor-1016 {2}	4.34	4.26	4.42	1147416	1063050	7.35
Aroclor-1016 {3}	5.09	5.00	5.16	2453934	2295197	6.47
Aroclor-1016 {4}	5.29	5.21	5.37	1051520	962985	8.42
Aroclor-1016 {5}	5.47	5.38	5.54	805106	778607	3.29
Aroclor-1260	7.82	6.82	8.82	908011	878612	3.24
Aroclor-1260 {2}	8.07	7.07	9.07	1374292	1362498	0.86
Aroclor-1260 {3}	9.66	8.66	10.66	1119158	1191848	6.50
Aroclor-1260 {4}	10.16	9.16	11.16	2540164	2640148	3.94
Aroclor-1260 {5}	10.75	9.75	11.75	1813121	1909445	5.31

# PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/26/2013

Instrument ID: GC-Y

Data File: Y5441.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.26	3.17	3.33	1712956	1566272	8.56
Aroclor-1016 {2}	4.08	4.00	4.16	2449772	2108384	13.94
Aroclor-1016 {3}	4.63	4.55	4.71	3257084	3004986	7.74
Aroclor-1016 {4}	5.14	5.05	5.21	1555283	1526385	1.86
Aroclor-1016 {5}	5.53	5.44	5.60	2619172	2427254	7.33
Aroclor-1260	8.31	7.30	9.30	7280479	7382350	1.40
Aroclor-1260 {2}	8.98	7.97	9.97	3147547	2859916	9.14
Aroclor-1260 {3}	9.45	8.45	10.45	9117673	9453190	3.68
Aroclor-1260 {4}	9.93	8.93	10.93	4272451	4216801	1.30
Aroclor-1260 {5}	10.99	9.99	11.99	2160592	2087496	3.38

Data File: Y5441.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.74	3.66	3.82	555685	529897	4.64
Aroclor-1016 {2}	4.34	4.26	4.42	1147416	1069353	6.80
Aroclor-1016 {3}	5.09	5.00	5.16	2453934	2306554	6.01
Aroclor-1016 {4}	5.29	5.21	5.37	1051520	976499	7.13
Aroclor-1016 {5}	5.47	5.38	5.54	805106	784294	2.58
Aroclor-1260	7.82	6.82	8.82	908011	892670	1.69
Aroclor-1260 {2}	8.07	7.07	9.07	1374292	1385293	0.80
Aroclor-1260 {3}	9.66	8.66	10.66	1119158	1214082	8.48
Aroclor-1260 {4}	10.16	9.16	11.16	2540164	2691436	5.96
Aroclor-1260 {5}	10.75	9.75	11.75	1813121	1949908	7.54

# PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/28/2013      Instrument ID: GC-Y

Data File: Y5442.D      GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.25	3.17	3.33	1712956	1868538	9.08
Aroclor-1016 {2}	4.07	4.00	4.16	2449772	2549481	4.07
Aroclor-1016 {3}	4.62	4.55	4.71	3257084	3505809	7.64
Aroclor-1016 {4}	5.13	5.05	5.21	1555283	1788948	15.02
Aroclor-1016 {5}	5.52	5.44	5.60	2619172	2812797	7.39
Aroclor-1260	8.29	7.30	9.30	7280479	8685604	19.30
Aroclor-1260 {2}	8.96	7.97	9.97	3147547	3530122	12.15
Aroclor-1260 {3}	9.44	8.45	10.45	9117673	10394358	14.00
Aroclor-1260 {4}	9.92	8.93	10.93	4272451	4841681	13.32
Aroclor-1260 {5}	10.97	9.99	11.99	2160592	1986346	8.06

Data File: Y5442.C      GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.75	3.66	3.82	555685	543992	2.10
Aroclor-1016 {2}	4.34	4.26	4.42	1147416	1083611	5.56
Aroclor-1016 {3}	5.09	5.00	5.16	2453934	2404104	2.03
Aroclor-1016 {4}	5.30	5.21	5.37	1051520	1011041	3.85
Aroclor-1016 {5}	5.47	5.38	5.54	805106	794002	1.38
Aroclor-1260	7.82	6.82	8.82	908011	942301	3.78
Aroclor-1260 {2}	8.07	7.07	9.07	1374292	1399144	1.81
Aroclor-1260 {3}	9.66	8.66	10.66	1119158	1232675	10.14
Aroclor-1260 {4}	10.16	9.16	11.16	2540164	2607531	2.65
Aroclor-1260 {5}	10.75	9.75	11.75	1813121	1872534	3.28

# PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/28/2013

Instrument ID: GC-Y

Data File: Y5444.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.25	3.17	3.33	1712956	2003571	16.97
Aroclor-1016 {2}	4.07	4.00	4.16	2449772	2756102	12.50
Aroclor-1016 {3}	4.63	4.55	4.71	3257084	3772140	15.81
Aroclor-1016 {4}	5.13	5.05	5.21	1555283	1660252	6.75
Aroclor-1016 {5}	5.52	5.44	5.60	2619172	3028911	15.64
Aroclor-1260	8.30	7.30	9.30	7280479	8359851	14.83
Aroclor-1260 {2}	8.97	7.97	9.97	3147547	3692353	17.31
Aroclor-1260 {3}	9.44	8.45	10.45	9117673	10759385	18.01
Aroclor-1260 {4}	9.93	8.93	10.93	4272451	4961524	16.13
Aroclor-1260 {5}	10.98	9.99	11.99	2160592	2237069	3.54

Data File: Y5444.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.75	3.66	3.82	555685	558231	0.46
Aroclor-1016 {2}	4.34	4.26	4.42	1147416	1106298	3.58
Aroclor-1016 {3}	5.09	5.00	5.16	2453934	2438189	0.64
Aroclor-1016 {4}	5.30	5.21	5.37	1051520	1072935	2.04
Aroclor-1016 {5}	5.47	5.38	5.54	805106	825178	2.49
Aroclor-1260	7.82	6.82	8.82	908011	932109	2.65
Aroclor-1260 {2}	8.08	7.07	9.07	1374292	1429353	4.01
Aroclor-1260 {3}	9.66	8.66	10.66	1119158	1246907	11.41
Aroclor-1260 {4}	10.17	9.16	11.16	2540164	2652039	4.40
Aroclor-1260 {5}	10.75	9.75	11.75	1813121	1878258	3.59

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/15/2013      Instrument ID: GC-R  
 GC Column (1st): DB-5

Data File: R6843.D R6841.D R6840.D R6839.D R6838.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.89	3.89	3.89	3.89	3.89	3.89	3.82	3.96
Aroclor-1016 {2}	4.78	4.78	4.78	4.78	4.78	4.78	4.71	4.85
Aroclor-1016 {3}	5.36	5.37	5.37	5.37	5.37	5.37	5.30	5.44
Aroclor-1016 {4}	5.89	5.89	5.89	5.89	5.89	5.89	5.82	5.96
Aroclor-1016 {5}	6.31	6.31	6.31	6.31	6.31	6.31	6.24	6.38
Aroclor-1221			2.67				2.60	2.74
Aroclor-1221 {2}			3.67				3.60	3.74
Aroclor-1221 {3}			3.81				3.74	3.88
Aroclor-1221 {4}			3.89				3.82	3.96
Aroclor-1221 {5}			4.53				4.46	4.60
Aroclor-1232			3.89				3.82	3.96
Aroclor-1232 {2}			4.78				4.71	4.85
Aroclor-1232 {3}			5.49				5.42	5.56
Aroclor-1232 {4}			6.10				6.03	6.17
Aroclor-1232 {5}			6.31				6.24	6.38
Aroclor-1242			4.78				4.71	4.85
Aroclor-1242 {2}			5.77				5.70	5.84
Aroclor-1242 {3}			6.10				6.03	6.17
Aroclor-1242 {4}			6.83				6.76	6.90
Aroclor-1242 {5}			7.12				7.05	7.19
Aroclor-1248			5.21				5.13	5.29
Aroclor-1248 {2}			5.76				5.68	5.84
Aroclor-1248 {3}			6.10				6.02	6.18
Aroclor-1248 {4}			6.83				6.75	6.91
Aroclor-1248 {5}			7.12				7.04	7.20
Aroclor-1254			7.23				7.15	7.31
Aroclor-1254 {2}			7.68				7.60	7.76
Aroclor-1254 {3}			7.85				7.76	7.94
Aroclor-1254 {4}			8.31				8.22	8.40
Aroclor-1254 {5}			9.16				9.07	9.25
Aroclor-1260	9.17	9.17	9.16	9.16	9.16	9.16	8.26	10.06
Aroclor-1260 {2}	9.85	9.84	9.84	9.84	9.84	9.84	8.94	10.74
Aroclor-1260 {3}	10.33	10.33	10.32	10.32	10.32	10.33	9.43	11.23
Aroclor-1260 {4}	10.83	10.83	10.82	10.82	10.82	10.82	9.92	11.72
Aroclor-1260 {5}	11.90	11.90	11.89	11.89	11.89	11.89	10.99	12.79

**AROCLOR INITIAL CALIBRATION SUMMARY**

Date Analyzed: 01/15/2013      Instrument ID: GC-R  
 GC Column (1st): DB-5

Data File: R6843.D    R6841.D    R6840.D    R6839.D    R6838.D

Compound	CALIBRATION FACTORS						MEAN	%RSD
	10	50	500	1000	2000			
Aroclor-1016	5248168	4169853	4609197	4546303	4011211	4516946	10.62	
Aroclor-1016 {2}	7159398	5680975	6106726	5828381	5364764	6028049	11.39	
Aroclor-1016 {3}	8182960	7288566	8408524	8439167	7515342	7966912	6.67	
Aroclor-1016 {4}	4958884	3995963	4291105	4263386	3808974	4263663	10.24	
Aroclor-1016 {5}	7282009	6233339	6871381	6962300	6337098	6737225	6.55	
Aroclor-1221			1748306					
Aroclor-1221 {2}			2501085					
Aroclor-1221 {3}			1681782					
Aroclor-1221 {4}			5951407					
Aroclor-1221 {5}			868368					
Aroclor-1232			3965634					
Aroclor-1232 {2}			1898189					
Aroclor-1232 {3}			1930808					
Aroclor-1232 {4}			1807659					
Aroclor-1232 {5}			2942436					
Aroclor-1242			4161923					
Aroclor-1242 {2}			2611627					
Aroclor-1242 {3}			3508492					
Aroclor-1242 {4}			6012100					
Aroclor-1242 {5}			4900136					
Aroclor-1248			8412154					
Aroclor-1248 {2}			4826311					
Aroclor-1248 {3}			5240235					
Aroclor-1248 {4}			10677115					
Aroclor-1248 {5}			6553920					
Aroclor-1254			11738775					
Aroclor-1254 {2}			7365920					
Aroclor-1254 {3}			14231615					
Aroclor-1254 {4}			9329348					
Aroclor-1254 {5}			12810209					
Aroclor-1260	18344053	18656317	18300262	18487801	16608294	18079345	4.61	
Aroclor-1260 {2}	9564316	8558564	8199507	8440667	7645089	8481629	8.25	
Aroclor-1260 {3}	23234899	21847737	21219373	21272938	19258255	21366640	6.70	
Aroclor-1260 {4}	9763674	9424634	10333829	10664341	10003525	10038000	4.81	
Aroclor-1260 {5}	4121760	4327976	4534629	4226220	3997036	4241524	4.83	
Average %RSD							7.47	

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/15/2013

Instrument ID: GC-R  
GC Column (2nd): DB-1701P

Data File: R6843.C R6841.C R6840.C R6839.C R6838.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	4.25	4.24	4.24	4.24	4.24	4.24	4.17	4.31
Aroclor-1016 {2}	4.86	4.85	4.85	4.85	4.85	4.85	4.78	4.92
Aroclor-1016 {3}	5.64	5.62	5.63	5.62	5.63	5.63	5.56	5.70
Aroclor-1016 {4}	5.85	5.84	5.84	5.84	5.84	5.84	5.77	5.91
Aroclor-1016 {5}	6.03	6.02	6.02	6.02	6.02	6.02	5.95	6.09
Aroclor-1221			2.85				2.78	2.92
Aroclor-1221 {2}			3.91				3.84	3.98
Aroclor-1221 {3}			4.15				4.08	4.22
Aroclor-1221 {4}			4.24				4.17	4.31
Aroclor-1221 {5}			5.63				5.56	5.70
Aroclor-1232			4.24				4.17	4.31
Aroclor-1232 {2}			5.24				5.17	5.31
Aroclor-1232 {3}			5.84				5.77	5.91
Aroclor-1232 {4}			6.02				5.95	6.09
Aroclor-1232 {5}			6.62				6.55	6.69
Aroclor-1242			5.24				5.17	5.31
Aroclor-1242 {2}			6.02				5.95	6.09
Aroclor-1242 {3}			6.62				6.55	6.69
Aroclor-1242 {4}			6.78				6.71	6.85
Aroclor-1242 {5}			7.34				7.27	7.41
Aroclor-1248			5.63				5.55	5.71
Aroclor-1248 {2}			6.22				6.14	6.30
Aroclor-1248 {3}			6.62				6.54	6.70
Aroclor-1248 {4}			6.78				6.70	6.86
Aroclor-1248 {5}			7.14				7.06	7.22
Aroclor-1254			7.63				7.55	7.71
Aroclor-1254 {2}			8.23				8.15	8.31
Aroclor-1254 {3}			8.67				8.58	8.76
Aroclor-1254 {4}			8.86				8.77	8.95
Aroclor-1254 {5}			9.68				9.59	9.77
Aroclor-1260	8.68	8.67	8.67	8.67	8.67	8.67	7.77	9.57
Aroclor-1260 {2}	9.09	9.08	9.08	9.08	9.08	9.08	8.18	9.98
Aroclor-1260 {3}	10.29	10.28	10.28	10.28	10.27	10.28	9.38	11.18
Aroclor-1260 {4}	10.80	10.79	10.79	10.79	10.79	10.79	9.89	11.69
Aroclor-1260 {5}	11.40	11.39	11.38	11.38	11.38	11.39	10.49	12.29

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/15/2013      Instrument ID: GC-R  
 GC Column (2nd): DB-1701P

Data File: R6843.C    R6841.C    R6840.C    R6839.C    R6838.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	7051054	5848303	5957205	6026235	5227370	6022034	10.90
Aroclor-1016 {2}	14387840	12694104	12057363	11837905	10514563	12298355	11.48
Aroclor-1016 {3}	31962172	29408410	26129217	26607717	24525647	27726632	10.64
Aroclor-1016 {4}	12210804	9730818	10684766	10642423	9739249	10601612	9.55
Aroclor-1016 {5}	9368278	9273442	8388502	8422100	7709619	8632388	8.00
Aroclor-1221			2433941				
Aroclor-1221 {2}			3193787				
Aroclor-1221 {3}			2191216				
Aroclor-1221 {4}			7682024				
Aroclor-1221 {5}			1624368				
Aroclor-1232			5369709				
Aroclor-1232 {2}			2090798				
Aroclor-1232 {3}			3614887				
Aroclor-1232 {4}			3079085				
Aroclor-1232 {5}			4262025				
Aroclor-1242			3292322				
Aroclor-1242 {2}			5370508				
Aroclor-1242 {3}			6915206				
Aroclor-1242 {4}			5816655				
Aroclor-1242 {5}			10208233				
Aroclor-1248			10617420				
Aroclor-1248 {2}			15615324				
Aroclor-1248 {3}			11254319				
Aroclor-1248 {4}			10139780				
Aroclor-1248 {5}			5107088				
Aroclor-1254			12974478				
Aroclor-1254 {2}			10062967				
Aroclor-1254 {3}			6203358				
Aroclor-1254 {4}			8210570				
Aroclor-1254 {5}			12214115				
Aroclor-1260	14255050	12357548	11842937	12291493	11529557	12455317	8.52
Aroclor-1260 {2}	13896984	12935490	12995623	13381859	12522176	13146426	3.94
Aroclor-1260 {3}	10364867	9551970	9474680	9968637	9621365	9796304	3.77
Aroclor-1260 {4}	25213873	20980653	20099265	20681679	19659738	21327042	10.47
Aroclor-1260 {5}	13442608	14454104	14142856	14913910	14388810	14268458	3.78
Average %RSD						8.11	

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/15/2013

Instrument ID: GC-R  
GC Column (1st): DB-5

Data File: R6843.D R6841.D R6840.D R6839.D R6838.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.54				8.64	8.64
Aroclor-1262 {2}			10.33				9.43	9.43
Aroclor-1262 {3}			10.96				10.06	10.06
Aroclor-1262 {4}			11.06				10.06	10.06
Aroclor-1262 {5}			11.89				10.89	10.89
Aroclor-1268			10.96				9.96	9.96
Aroclor-1268 {2}			11.05				9.95	9.95
Aroclor-1268 {3}			11.52				10.42	10.42
Aroclor-1268 {4}			11.66				10.56	10.56
Aroclor-1268 {5}			12.50				11.40	11.40

GC Column (2nd): DB-1701P

Data File: R6843.C R6841.C R6840.C R6839.C R6838.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			10.27				9.37	9.37
Aroclor-1262 {2}			10.79				9.89	9.89
Aroclor-1262 {3}			11.29				10.39	10.39
Aroclor-1262 {4}			11.38				10.38	10.38
Aroclor-1262 {5}			11.99				10.99	10.99
Aroclor-1268			11.29				10.29	10.29
Aroclor-1268 {2}			11.37				10.27	10.27
Aroclor-1268 {3}			11.62				10.52	10.52
Aroclor-1268 {4}			11.77				10.67	10.67
Aroclor-1268 {5}			12.86				11.76	11.76

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/15/2013      Instrument ID: GC-R  
 GC Column (1st): DB-5

Data File: R6843.D R6841.D R6840.D R6839.D R6838.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			6505303				
Aroclor-1262 {2}			24527064				
Aroclor-1262 {3}			8713922				
Aroclor-1262 {4}			10930284				
Aroclor-1262 {5}			7458096				
Aroclor-1268			24607921				
Aroclor-1268 {2}			29079166				
Aroclor-1268 {3}			20866609				
Aroclor-1268 {4}			5963362				
Aroclor-1268 {5}			62181928				

GC Column (2nd): DB-1701P

Data File: R6843.C R6841.C R6840.C R6839.C R6838.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			9701315				
Aroclor-1262 {2}			21369118				
Aroclor-1262 {3}			6725369				
Aroclor-1262 {4}			14665940				
Aroclor-1262 {5}			2634351				
Aroclor-1268			21288672				
Aroclor-1268 {2}			23528532				
Aroclor-1268 {3}			17891106				
Aroclor-1268 {4}			4549906				
Aroclor-1268 {5}			56385389				

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/16/2013

Instrument ID: GC-R

Data File: R6882.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.89	3.82	3.96	4516946	5108370	13.09
Aroclor-1016 {2}	4.78	4.71	4.85	6028049	6031033	0.05
Aroclor-1016 {3}	5.37	5.30	5.44	7966912	8074118	1.35
Aroclor-1016 {4}	5.89	5.82	5.96	4263663	4826890	13.21
Aroclor-1016 {5}	6.31	6.24	6.38	6737225	7893695	17.17
Aroclor-1260	9.16	8.26	10.06	18079345	20272559	12.13
Aroclor-1260 {2}	9.84	8.94	10.74	8481629	8456382	0.30
Aroclor-1260 {3}	10.32	9.43	11.23	21366640	21450661	0.39
Aroclor-1260 {4}	10.82	9.92	11.72	10038000	9902236	1.35
Aroclor-1260 {5}	11.89	10.99	12.79	4241524	3509165	17.27
Average %D						7.63

Data File: R6882.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.24	4.17	4.31	6022034	6246394	3.73
Aroclor-1016 {2}	4.85	4.78	4.92	12298355	12175066	1.00
Aroclor-1016 {3}	5.62	5.56	5.70	27726632	26283281	5.21
Aroclor-1016 {4}	5.84	5.77	5.91	10601612	10560260	0.39
Aroclor-1016 {5}	6.02	5.95	6.09	8632388	8563702	0.80
Aroclor-1260	8.67	7.77	9.57	12455317	12132169	2.59
Aroclor-1260 {2}	9.08	8.18	9.98	13146426	12865145	2.14
Aroclor-1260 {3}	10.28	9.38	11.18	9796304	9549764	2.52
Aroclor-1260 {4}	10.79	9.89	11.69	21327042	19360568	9.22
Aroclor-1260 {5}	11.38	10.49	12.29	14268458	13525047	5.21
Average %D						3.28

# AROCLOL CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/16/2013      Instrument ID: GC-R

Data File: R6889.D      GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.89	3.82	3.96	4516946	5222878	15.63
Aroclor-1016 {2}	4.78	4.71	4.85	6028049	5554377	7.86
Aroclor-1016 {3}	5.37	5.30	5.44	7966912	8459628	6.18
Aroclor-1016 {4}	5.90	5.82	5.96	4263663	4966743	16.49
Aroclor-1016 {5}	6.31	6.24	6.38	6737225	7211990	7.05
Aroclor-1260	9.16	8.26	10.06	18079345	20912816	15.67
Aroclor-1260 {2}	9.84	8.94	10.74	8481629	9111990	7.43
Aroclor-1260 {3}	10.32	9.43	11.23	21366640	22767567	6.56
Aroclor-1260 {4}	10.82	9.92	11.72	10038000	10289454	2.51
Aroclor-1260 {5}	11.89	10.99	12.79	4241524	3725936	12.16
Average %D						9.75

Data File: R6889.C      GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.24	4.17	4.31	6022034	6367882	5.74
Aroclor-1016 {2}	4.85	4.78	4.92	12298355	12307565	0.07
Aroclor-1016 {3}	5.62	5.56	5.70	27726632	26612323	4.02
Aroclor-1016 {4}	5.84	5.77	5.91	10601612	10456212	1.37
Aroclor-1016 {5}	6.02	5.95	6.09	8632388	8754901	1.42
Aroclor-1260	8.67	7.77	9.57	12455317	12301823	1.23
Aroclor-1260 {2}	9.08	8.18	9.98	13146426	12770267	2.86
Aroclor-1260 {3}	10.28	9.38	11.18	9796304	9697734	1.01
Aroclor-1260 {4}	10.79	9.89	11.69	21327042	19720529	7.53
Aroclor-1260 {5}	11.38	10.49	12.29	14268458	13762489	3.55
Average %D						2.88

# PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/28/2013

Instrument ID: GC-Y

Data File: Y5445.D

GC Column (1st):

DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.25	3.17	3.33	1712956	1812779	5.83
Aroclor-1016 {2}	4.07	4.00	4.16	2449772	2585139	5.53
Aroclor-1016 {3}	4.62	4.55	4.71	3257084	3472282	6.61
Aroclor-1016 {4}	5.13	5.05	5.21	1555283	1736936	11.68
Aroclor-1016 {5}	5.52	5.44	5.60	2619172	2809716	7.27
Aroclor-1260	8.29	7.30	9.30	7280479	8343794	14.61
Aroclor-1260 {2}	8.97	7.97	9.97	3147547	3516200	11.71
Aroclor-1260 {3}	9.44	8.45	10.45	9117673	10310267	13.08
Aroclor-1260 {4}	9.92	8.93	10.93	4272451	4047306	5.27
Aroclor-1260 {5}	10.98	9.99	11.99	2160592	2301579	6.53

Data File: Y5445.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.75	3.66	3.82	555685	508607	8.47
Aroclor-1016 {2}	4.34	4.26	4.42	1147416	1009087	12.06
Aroclor-1016 {3}	5.09	5.00	5.16	2453934	2235475	8.90
Aroclor-1016 {4}	5.30	5.21	5.37	1051520	977933	7.00
Aroclor-1016 {5}	5.47	5.38	5.54	805106	748356	7.05
Aroclor-1260	7.82	6.82	8.82	908011	854646	5.88
Aroclor-1260 {2}	8.07	7.07	9.07	1374292	1312911	4.47
Aroclor-1260 {3}	9.66	8.66	10.66	1119158	1190422	6.37
Aroclor-1260 {4}	10.16	9.16	11.16	2540164	2540609	0.02
Aroclor-1260 {5}	10.75	9.75	11.75	1813121	1911849	5.45

# PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/28/2013

Instrument ID: GC-Y

Data File: Y5470.D

GC Column (1st):

DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.25	3.17	3.33	1712956	1751294	2.24
Aroclor-1016 {2}	4.08	4.00	4.16	2449772	2447431	0.10
Aroclor-1016 {3}	4.63	4.55	4.71	3257084	3319248	1.91
Aroclor-1016 {4}	5.13	5.05	5.21	1555283	1574272	1.22
Aroclor-1016 {5}	5.53	5.44	5.60	2619172	2631537	0.47
Aroclor-1260	8.30	7.30	9.30	7280479	7205288	1.03
Aroclor-1260 {2}	8.97	7.97	9.97	3147547	3116840	0.98
Aroclor-1260 {3}	9.45	8.45	10.45	9117673	8515335	6.61
Aroclor-1260 {4}	9.93	8.93	10.93	4272451	3958491	7.35
Aroclor-1260 {5}	10.99	9.99	11.99	2160592	2140582	0.93

Data File: Y5470.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.74	3.66	3.82	555685	522859	5.91
Aroclor-1016 {2}	4.34	4.26	4.42	1147416	1049684	8.52
Aroclor-1016 {3}	5.08	5.00	5.16	2453934	2314394	5.69
Aroclor-1016 {4}	5.29	5.21	5.37	1051520	996352	5.25
Aroclor-1016 {5}	5.46	5.38	5.54	805106	755231	6.19
Aroclor-1260	7.82	6.82	8.82	908011	833151	8.24
Aroclor-1260 {2}	8.07	7.07	9.07	1374292	1267630	7.76
Aroclor-1260 {3}	9.66	8.66	10.66	1119158	1118501	0.06
Aroclor-1260 {4}	10.16	9.16	11.16	2540164	2487136	2.09
Aroclor-1260 {5}	10.75	9.75	11.75	1813121	1946335	7.35

# PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/29/2013      Instrument ID: GC-Y

Data File: Y5472.D      GC Column (1st): DB-5

Compound	RT	RT WINDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.25	3.17	3.33	1712956	1933920	12.90
Aroclor-1016 {2}	4.07	4.00	4.16	2449772	2672838	9.11
Aroclor-1016 {3}	4.62	4.55	4.71	3257084	3652133	12.13
Aroclor-1016 {4}	5.12	5.05	5.21	1555283	1731747	11.35
Aroclor-1016 {5}	5.52	5.44	5.60	2619172	2838476	8.37
Aroclor-1260	8.29	7.30	9.30	7280479	7342996	0.86
Aroclor-1260 {2}	8.96	7.97	9.97	3147547	3096956	1.61
Aroclor-1260 {3}	9.44	8.45	10.45	9117673	8450833	7.31
Aroclor-1260 {4}	9.92	8.93	10.93	4272451	3839346	10.14
Aroclor-1260 {5}	10.97	9.99	11.99	2160592	1952840	9.62

Data File: Y5472.C      GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.75	3.66	3.82	555685	570411	2.65
Aroclor-1016 {2}	4.34	4.26	4.42	1147416	1146817	0.05
Aroclor-1016 {3}	5.09	5.00	5.16	2453934	2566981	4.61
Aroclor-1016 {4}	5.30	5.21	5.37	1051520	1087518	3.42
Aroclor-1016 {5}	5.47	5.38	5.54	805106	839251	4.24
Aroclor-1260	7.82	6.82	8.82	908011	957378	5.44
Aroclor-1260 {2}	8.07	7.07	9.07	1374292	1415873	3.03
Aroclor-1260 {3}	9.66	8.66	10.66	1119158	1250594	11.74
Aroclor-1260 {4}	10.16	9.16	11.16	2540164	2724456	7.26
Aroclor-1260 {5}	10.75	9.75	11.75	1813121	1993489	9.95

# PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/29/2013      Instrument ID: GC-Y

Data File: Y5475.D      GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.26	3.17	3.33	1712956	1801465	5.17
Aroclor-1016 {2}	4.08	4.00	4.16	2449772	2482720	1.34
Aroclor-1016 {3}	4.63	4.55	4.71	3257084	3448057	5.86
Aroclor-1016 {4}	5.14	5.05	5.21	1555283	1669156	7.32
Aroclor-1016 {5}	5.53	5.44	5.60	2619172	2717152	3.74
Aroclor-1260	8.30	7.30	9.30	7280479	7529555	3.42
Aroclor-1260 {2}	8.97	7.97	9.97	3147547	3697060	17.46
Aroclor-1260 {3}	9.45	8.45	10.45	9117673	9469619	3.86
Aroclor-1260 {4}	9.93	8.93	10.93	4272451	3878602	9.22
Aroclor-1260 {5}	10.99	9.99	11.99	2160592	2075053	3.96

Data File: Y5475.C      GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.74	3.66	3.82	555685	544042	2.10
Aroclor-1016 {2}	4.34	4.26	4.42	1147416	1087595	5.21
Aroclor-1016 {3}	5.09	5.00	5.16	2453934	2409933	1.79
Aroclor-1016 {4}	5.29	5.21	5.37	1051520	1031807	1.87
Aroclor-1016 {5}	5.47	5.38	5.54	805106	794794	1.28
Aroclor-1260	7.82	6.82	8.82	908011	882155	2.85
Aroclor-1260 {2}	8.07	7.07	9.07	1374292	1364708	0.70
Aroclor-1260 {3}	9.66	8.66	10.66	1119158	1203498	7.54
Aroclor-1260 {4}	10.16	9.16	11.16	2540164	2656569	4.58
Aroclor-1260 {5}	10.75	9.75	11.75	1813121	1976632	9.02

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/29/2013

Instrument ID: GC-R  
GC Column (1st): DB-5

Data File: R7060.D R7059.D R7058.D R7057.D R7056.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.89	3.89	3.89	3.89	3.89	3.89	3.82	3.96
Aroclor-1016 {2}	4.78	4.78	4.78	4.78	4.78	4.78	4.71	4.85
Aroclor-1016 {3}	5.37	5.37	5.37	5.37	5.36	5.37	5.30	5.44
Aroclor-1016 {4}	5.90	5.89	5.89	5.89	5.89	5.89	5.82	5.96
Aroclor-1016 {5}	6.31	6.31	6.31	6.31	6.30	6.31	6.24	6.38
Aroclor-1221			2.67				2.60	2.74
Aroclor-1221 {2}			3.67				3.60	3.74
Aroclor-1221 {3}			3.81				3.74	3.88
Aroclor-1221 {4}			3.89				3.82	3.96
Aroclor-1221 {5}			4.53				4.46	4.60
Aroclor-1232			3.89				3.82	3.96
Aroclor-1232 {2}			4.78				4.71	4.85
Aroclor-1232 {3}			5.49				5.42	5.56
Aroclor-1232 {4}			6.11				6.04	6.18
Aroclor-1232 {5}			6.31				6.24	6.38
Aroclor-1242			4.78				4.71	4.85
Aroclor-1242 {2}			5.76				5.69	5.83
Aroclor-1242 {3}			6.10				6.03	6.17
Aroclor-1242 {4}			6.83				6.76	6.90
Aroclor-1242 {5}			7.12				7.05	7.19
Aroclor-1248			5.21				5.13	5.29
Aroclor-1248 {2}			5.77				5.69	5.85
Aroclor-1248 {3}			6.11				6.03	6.19
Aroclor-1248 {4}			6.83				6.75	6.91
Aroclor-1248 {5}			7.12				7.04	7.20
Aroclor-1254			7.23				7.15	7.31
Aroclor-1254 {2}			7.68				7.60	7.76
Aroclor-1254 {3}			7.86				7.77	7.95
Aroclor-1254 {4}			8.31				8.22	8.40
Aroclor-1254 {5}			9.16				9.07	9.25
Aroclor-1260	9.16	9.16	9.16	9.16	9.16	9.16	8.26	10.06
Aroclor-1260 {2}	9.85	9.84	9.84	9.84	9.84	9.84	8.94	10.74
Aroclor-1260 {3}	10.32	10.33	10.32	10.32	10.32	10.32	9.42	11.22
Aroclor-1260 {4}	10.83	10.82	10.82	10.81	10.81	10.82	9.92	11.72
Aroclor-1260 {5}	11.90	11.89	11.88	11.88	11.88	11.89	10.99	12.79

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/29/2013

Instrument ID: GC-R  
GC Column (1st): DB-5

Data File: R7060.D   R7059.D   R7058.D   R7057.D   R7056.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	5161278	5193625	4879189	4864216	4708624	4961386	4.20
Aroclor-1016 {2}	7232502	7186437	6862359	5903575	6572786	6751532	8.06
Aroclor-1016 {3}	9505459	9407934	8873308	9050023	8712579	9109861	3.73
Aroclor-1016 {4}	5277152	4962118	4399440	4589328	4509461	4747500	7.66
Aroclor-1016 {5}	7467980	7386938	6203362	7297897	7221784	7115592	7.28
Aroclor-1221			2164470				
Aroclor-1221 {2}			3199776				
Aroclor-1221 {3}			2115605				
Aroclor-1221 {4}			7539303				
Aroclor-1221 {5}			2016976				
Aroclor-1232			5887407				
Aroclor-1232 {2}			2640185				
Aroclor-1232 {3}			2821502				
Aroclor-1232 {4}			2582482				
Aroclor-1232 {5}			4285841				
Aroclor-1242			5458916				
Aroclor-1242 {2}			3535067				
Aroclor-1242 {3}			4650235				
Aroclor-1242 {4}			9996673				
Aroclor-1242 {5}			6790341				
Aroclor-1248			12307647				
Aroclor-1248 {2}			6717350				
Aroclor-1248 {3}			7299635				
Aroclor-1248 {4}			15765327				
Aroclor-1248 {5}			9623947				
Aroclor-1254			16238728				
Aroclor-1254 {2}			10214567				
Aroclor-1254 {3}			19651719				
Aroclor-1254 {4}			13601280				
Aroclor-1254 {5}			17565406				
Aroclor-1260	21339660	20169940	15926533	17432373	17522382	18478177	11.97
Aroclor-1260 {2}	9993353	8630295	6981164	7866518	7817829	8257832	13.71
Aroclor-1260 {3}	20817009	22565653	16443758	19337986	18446947	19522271	11.90
Aroclor-1260 {4}	9537854	10085271	8006639	8653817	8563121	8969340	9.26
Aroclor-1260 {5}	4245930	3960280	3860133	3612861	3348799	3805600	8.97
Average %RSD							8.68

# AROCLOL INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/29/2013

Instrument ID: GC-R  
GC Column (2nd): DB-1701P

Data File: R7060.C R7059.C R7058.C R7057.C R7056.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	4.22	4.22	4.22	4.22	4.22	4.22	4.15	4.29
Aroclor-1016 {2}	4.83	4.83	4.83	4.83	4.83	4.83	4.76	4.90
Aroclor-1016 {3}	5.61	5.61	5.61	5.61	5.61	5.61	5.54	5.68
Aroclor-1016 {4}	5.82	5.82	5.82	5.82	5.82	5.82	5.75	5.89
Aroclor-1016 {5}	6.00	6.00	6.00	5.99	6.00	6.00	5.93	6.07
Aroclor-1221			2.84				2.77	2.91
Aroclor-1221 {2}			3.89				3.82	3.96
Aroclor-1221 {3}			4.13				4.06	4.20
Aroclor-1221 {4}			4.23				4.16	4.30
Aroclor-1221 {5}			5.61				5.54	5.68
Aroclor-1232			4.22				4.15	4.29
Aroclor-1232 {2}			5.23				5.16	5.30
Aroclor-1232 {3}			5.82				5.75	5.89
Aroclor-1232 {4}			6.00				5.93	6.07
Aroclor-1232 {5}			6.60				6.53	6.67
Aroclor-1242			5.23				5.16	5.30
Aroclor-1242 {2}			6.00				5.93	6.07
Aroclor-1242 {3}			6.60				6.53	6.67
Aroclor-1242 {4}			6.76				6.69	6.83
Aroclor-1242 {5}			7.33				7.26	7.40
Aroclor-1248			5.61				5.53	5.69
Aroclor-1248 {2}			6.20				6.12	6.28
Aroclor-1248 {3}			6.60				6.52	6.68
Aroclor-1248 {4}			6.76				6.68	6.84
Aroclor-1248 {5}			7.12				7.04	7.20
Aroclor-1254			7.61				7.53	7.69
Aroclor-1254 {2}			8.21				8.13	8.29
Aroclor-1254 {3}			8.65				8.56	8.74
Aroclor-1254 {4}			8.84				8.75	8.93
Aroclor-1254 {5}			9.66				9.57	9.75
Aroclor-1260	8.65	8.65	8.64	8.64	8.64	8.65	7.75	9.55
Aroclor-1260 {2}	9.06	9.06	9.06	9.06	9.06	9.06	8.16	9.96
Aroclor-1260 {3}	10.26	10.25	10.25	10.25	10.25	10.25	9.35	11.15
Aroclor-1260 {4}	10.77	10.77	10.76	10.76	10.76	10.76	9.86	11.66
Aroclor-1260 {5}	11.36	11.36	11.36	11.36	11.36	11.36	10.46	12.26

# AROCLOL INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/29/2013      Instrument ID: GC-R  
                   GC Column (2nd): DB-1701P

Data File: R7060.C    R7059.C    R7058.C    R7057.C    R7056.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	6783184	6629098	6452230	6181235	5829675	6375084	5.93
Aroclor-1016 {2}	14984971	15565204	13241462	12677047	11800797	13653896	11.57
Aroclor-1016 {3}	31006254	32858609	29791965	28840022	27693943	30038159	6.63
Aroclor-1016 {4}	12332501	14225277	12313757	11133205	11333377	12267623	9.98
Aroclor-1016 {5}	9785516	10951432	9547537	9220148	9028660	9706659	7.77
Aroclor-1221			3575646				
Aroclor-1221 {2}			4846609				
Aroclor-1221 {3}			3266500				
Aroclor-1221 {4}			12075970				
Aroclor-1221 {5}			2331094				
Aroclor-1232			8097037				
Aroclor-1232 {2}			3177572				
Aroclor-1232 {3}			5433614				
Aroclor-1232 {4}			4922116				
Aroclor-1232 {5}			6901603				
Aroclor-1242			5393898				
Aroclor-1242 {2}			8867318				
Aroclor-1242 {3}			11719124				
Aroclor-1242 {4}			9892850				
Aroclor-1242 {5}			18113341				
Aroclor-1248			17501495				
Aroclor-1248 {2}			26470837				
Aroclor-1248 {3}			18613187				
Aroclor-1248 {4}			17184580				
Aroclor-1248 {5}			8887259				
Aroclor-1254			23068028				
Aroclor-1254 {2}			18226763				
Aroclor-1254 {3}			11487300				
Aroclor-1254 {4}			15650069				
Aroclor-1254 {5}			23154161				
Aroclor-1260	16576022	16839255	14407269	14043920	13069264	14987146	10.99
Aroclor-1260 {2}	17256639	16754820	16313669	14503785	13822333	15730249	9.46
Aroclor-1260 {3}	11842488	11870056	11449494	11103628	8820781	11017290	11.51
Aroclor-1260 {4}	23941842	25259036	23733523	23543009	17841980	22863878	12.63
Aroclor-1260 {5}	18760538	16138368	16150547	16246228	14250662	16309269	9.84
Average %RSD							9.63

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/29/2013      Instrument ID: GC-R  
 GC Column (1st): DB-5

Data File: R7060.D R7059.D R7058.D R7057.D R7056.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.53				8.63	8.63
Aroclor-1262 {2}			10.32				9.42	9.42
Aroclor-1262 {3}			10.96				10.06	10.06
Aroclor-1262 {4}			11.05				10.05	10.05
Aroclor-1262 {5}			11.89				10.89	10.89
Aroclor-1268			10.96				9.96	9.96
Aroclor-1268 {2}			11.05				9.95	9.95
Aroclor-1268 {3}			11.52				10.42	10.42
Aroclor-1268 {4}			11.65				10.55	10.55
Aroclor-1268 {5}			12.50				11.40	11.40

GC Column (2nd): DB-1701P

Data File: R7060.C R7059.C R7058.C R7057.C R7056.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			10.25				9.35	9.35
Aroclor-1262 {2}			10.77				9.87	9.87
Aroclor-1262 {3}			11.26				10.36	10.36
Aroclor-1262 {4}			11.36				10.36	10.36
Aroclor-1262 {5}			11.96				10.96	10.96
Aroclor-1268			11.26				10.26	10.26
Aroclor-1268 {2}			11.35				10.25	10.25
Aroclor-1268 {3}			11.60				10.50	10.50
Aroclor-1268 {4}			11.75				10.65	10.65
Aroclor-1268 {5}			12.83				11.73	11.73

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/29/2013      Instrument ID: GC-R  
     GC Column (1st): DB-5

Data File: R7060.D R7059.D R7058.D R7057.D R7056.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			8107352				
Aroclor-1262 {2}			26320186				
Aroclor-1262 {3}			9185845				
Aroclor-1262 {4}			10904955				
Aroclor-1262 {5}			6620226				
Aroclor-1268			32404830				
Aroclor-1268 {2}			36920759				
Aroclor-1268 {3}			25288559				
Aroclor-1268 {4}			7064692				
Aroclor-1268 {5}			63047817				

GC Column (2nd): DB-1701P

Data File: R7060.C R7059.C R7058.C R7057.C R7056.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			18039704				
Aroclor-1262 {2}			38724861				
Aroclor-1262 {3}			11336955				
Aroclor-1262 {4}			24541073				
Aroclor-1262 {5}			4291767				
Aroclor-1268			39886503				
Aroclor-1268 {2}			43429770				
Aroclor-1268 {3}			32797875				
Aroclor-1268 {4}			8116974				
Aroclor-1268 {5}			95946238				

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/29/2013

Instrument ID: GC-R

Data File: R7091.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.89	3.82	3.96	4961386	4742747	4.41
Aroclor-1016 {2}	4.79	4.71	4.85	6751532	6449865	4.47
Aroclor-1016 {3}	5.37	5.30	5.44	9109861	8709531	4.39
Aroclor-1016 {4}	5.90	5.82	5.96	4747500	4359421	8.17
Aroclor-1016 {5}	6.31	6.24	6.38	7115592	6704337	5.78
Aroclor-1260	9.17	8.26	10.06	18478177	16339998	11.57
Aroclor-1260 {2}	9.84	8.94	10.74	8257832	6876603	16.73
Aroclor-1260 {3}	10.33	9.42	11.22	19522271	17094465	12.44
Aroclor-1260 {4}	10.82	9.92	11.72	8969340	7933256	11.55
Aroclor-1260 {5}	11.89	10.99	12.79	3805600	3249133	14.62

Data File: R7091.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.22	4.15	4.29	6375084	6534434	2.50
Aroclor-1016 {2}	4.84	4.76	4.90	13653896	13313103	2.50
Aroclor-1016 {3}	5.61	5.54	5.68	30038159	29664665	1.24
Aroclor-1016 {4}	5.82	5.75	5.89	12267623	12258638	0.07
Aroclor-1016 {5}	6.00	5.93	6.07	9706659	9504607	2.08
Aroclor-1260	8.65	7.75	9.55	14987146	13910195	7.19
Aroclor-1260 {2}	9.06	8.16	9.96	15730249	15400050	2.10
Aroclor-1260 {3}	10.26	9.35	11.15	11017290	10839633	1.61
Aroclor-1260 {4}	10.77	9.86	11.66	22863878	23642198	3.40
Aroclor-1260 {5}	11.36	10.46	12.26	16309269	15872974	2.68

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/30/2013      Instrument ID: GC-R

Data File: R7116.D      GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.89	3.82	3.96	4961386	5235295	5.52
Aroclor-1016 {2}	4.79	4.71	4.85	6751532	6587758	2.43
Aroclor-1016 {3}	5.37	5.30	5.44	9109861	9690230	6.37
Aroclor-1016 {4}	5.90	5.82	5.96	4747500	4833848	1.82
Aroclor-1016 {5}	6.31	6.24	6.38	7115592	7554032	6.16
Aroclor-1260	9.16	8.26	10.06	18478177	19580024	5.96
Aroclor-1260 {2}	9.84	8.94	10.74	8257832	8465804	2.52
Aroclor-1260 {3}	10.33	9.42	11.22	19522271	20723177	6.15
Aroclor-1260 {4}	10.82	9.92	11.72	8969340	8726971	2.70
Aroclor-1260 {5}	11.89	10.99	12.79	3805600	3667323	3.63

Data File: R7116.C      GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.22	4.15	4.29	6375084	6921784	8.58
Aroclor-1016 {2}	4.84	4.76	4.90	13653896	13793780	1.02
Aroclor-1016 {3}	5.61	5.54	5.68	30038159	30714498	2.25
Aroclor-1016 {4}	5.82	5.75	5.89	12267623	12058594	1.70
Aroclor-1016 {5}	6.00	5.93	6.07	9706659	9961366	2.62
Aroclor-1260	8.65	7.75	9.55	14987146	14782945	1.36
Aroclor-1260 {2}	9.06	8.16	9.96	15730249	14953965	4.93
Aroclor-1260 {3}	10.26	9.35	11.15	11017290	11340197	2.93
Aroclor-1260 {4}	10.77	9.86	11.66	22863878	23611755	3.27
Aroclor-1260 {5}	11.36	10.46	12.26	16309269	16264630	0.27

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/30/2013      Instrument ID: GC-R

Data File: R7117.D      GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.89	3.82	3.96	4961386	4875169	1.74
Aroclor-1016 {2}	4.78	4.71	4.85	6751532	6298344	6.71
Aroclor-1016 {3}	5.37	5.30	5.44	9109861	8668126	4.85
Aroclor-1016 {4}	5.89	5.82	5.96	4747500	4330417	8.79
Aroclor-1016 {5}	6.31	6.24	6.38	7115592	6836361	3.92
Aroclor-1260	9.16	8.26	10.06	18478177	17291454	6.42
Aroclor-1260 {2}	9.84	8.94	10.74	8257832	7685325	6.93
Aroclor-1260 {3}	10.32	9.42	11.22	19522271	18672165	4.35
Aroclor-1260 {4}	10.81	9.92	11.72	8969340	8636126	3.72
Aroclor-1260 {5}	11.89	10.99	12.79	3805600	3422545	10.07

Data File: R7117.C      GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.23	4.15	4.29	6375084	7061459	10.77
Aroclor-1016 {2}	4.85	4.76	4.90	13653896	15833595	15.96
Aroclor-1016 {3}	5.62	5.54	5.68	30038159	35034839	16.63
Aroclor-1016 {4}	5.83	5.75	5.89	12267623	13932051	13.57
Aroclor-1016 {5}	6.01	5.93	6.07	9706659	11474205	18.21
Aroclor-1260	8.66	7.75	9.55	14987146	16885836	12.67
Aroclor-1260 {2}	9.07	8.16	9.96	15730249	17356444	10.34
Aroclor-1260 {3}	10.26	9.35	11.15	11017290	13099544	18.90
Aroclor-1260 {4}	10.78	9.86	11.66	22863878	26856901	17.46
Aroclor-1260 {5}	11.37	10.46	12.26	16309269	18138781	11.22

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/30/2013

Instrument ID: GC-R

Data File: R7123.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.89	3.82	3.96	4961386	4488801	9.53
Aroclor-1016 {2}	4.78	4.71	4.85	6751532	5948071	11.90
Aroclor-1016 {3}	5.37	5.30	5.44	9109861	7915786	13.11
Aroclor-1016 {4}	5.90	5.82	5.96	4747500	4371699	7.92
Aroclor-1016 {5}	6.31	6.24	6.38	7115592	6850106	3.73
Aroclor-1260	9.17	8.26	10.06	18478177	15516024	16.03
Aroclor-1260 {2}	9.84	8.94	10.74	8257832	6801078	17.64
Aroclor-1260 {3}	10.33	9.42	11.22	19522271	16685363	14.53
Aroclor-1260 {4}	10.82	9.92	11.72	8969340	8264388	7.86
Aroclor-1260 {5}	11.89	10.99	12.79	3805600	3985945	4.74

Data File: R7123.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.22	4.15	4.29	6375084	7160455	12.32
Aroclor-1016 {2}	4.84	4.76	4.90	13653896	14441458	5.77
Aroclor-1016 {3}	5.61	5.54	5.68	30038159	32069677	6.76
Aroclor-1016 {4}	5.82	5.75	5.89	12267623	13152938	7.22
Aroclor-1016 {5}	6.00	5.93	6.07	9706659	10353117	6.66
Aroclor-1260	8.65	7.75	9.55	14987146	15978782	6.62
Aroclor-1260 {2}	9.06	8.16	9.96	15730249	16738345	6.41
Aroclor-1260 {3}	10.26	9.35	11.15	11017290	11910633	8.11
Aroclor-1260 {4}	10.77	9.86	11.66	22863878	25390614	11.05
Aroclor-1260 {5}	11.37	10.46	12.26	16309269	17439150	6.93

## PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1    3.38              DCB 1    12.99    TCMX 2    3.34              DCB 2    13.09

Client ID	Lab	Date Analyzed	Time Analyzed	TCMX 1 RT #	DCB 1 RT #	TCMX 2 RT #	DCB 2 RT #
PCB	BLKA130116-05	01/16/2013	12:54	3.38	12.99	3.34	13.09
FIELD_BLAN	00268-031	01/16/2013	13:12	3.39	12.99	3.33	13.08
FRAC-1	00374-001	01/16/2013	13:29	3.39	12.99	3.33	13.08
PCB	00374-001MS	01/16/2013	13:46	3.39	12.99	3.33	13.08
PCB	00374-001MSD	01/16/2013	14:04	3.39	12.99	3.33	13.08
PCB	LCSA130116-05	01/16/2013	14:21	3.39	12.99	3.33	13.08

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene              (  $\pm$  0.10 Minutes )

DCB = Decachlorobiphenyl              (  $\pm$  0.10 Minutes )

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

# PCB RETENTION TIME SHIFT SUMMARY

**Instrument ID:** GC-Y

**Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	2.79	DCB 1	12.07	TCMX 2	2.88	DCB 2	12.43
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Client ID	Sample ID	Lab	Date Analyzed	Time Analyzed	TCMX 1 RT #	DCB 1 RT #	TCMX 2 RT #	DCB 2 RT #
PCB	BLKS130124-03		01/25/2013	15:12	2.79	12.07	2.88	12.43
SSO-1/0-0.	00677-001		01/25/2013	15:34	2.79	12.06	2.88	12.42
SSO-2/1.0-	00677-002		01/25/2013	16:29	2.79	12.06	2.88	12.43
SSO-3/1.5-	00677-003		01/25/2013	16:46	2.79	12.07	2.88	12.42
CB-1/5.0-5	00677-004		01/25/2013	17:03	2.79	12.07	2.88	12.42
CB-2/5.25-	00677-005		01/25/2013	17:20	2.79	12.07	2.88	12.43
PCB	00677-005MS		01/25/2013	17:37	2.79	12.07	2.88	12.42
PCB	00677-005MSD		01/25/2013	17:54	2.80	12.07	2.88	12.43
PCB	LCSS130124-03		01/25/2013	18:12	2.80	12.07	2.88	12.43
S-1/2-2.5	00622-001		01/25/2013	19:03	2.80	12.07	2.88	12.43
S-2/2-2.5	00622-002		01/25/2013	19:20	2.80	12.07	2.88	12.43
S-3/2-2.5	00622-003		01/25/2013	19:37	2.80	12.07	2.88	12.43
S-4/2-2.5	00622-004		01/25/2013	19:54	2.80	12.07	2.88	12.43
DD-44_(2.0	00627-003		01/25/2013	20:12	2.80	12.07	2.88	12.43
DD-44_(3.0	00627-004		01/25/2013	20:29	2.80	12.07	2.88	12.43
CC-43_(0-1	00627-005		01/25/2013	20:46	2.80	12.07	2.88	12.42
CC-43_(1.0	00627-006		01/25/2013	21:03	2.80	12.07	2.88	12.43
CC-43_(2.0	00627-007		01/25/2013	21:20	2.80	12.07	2.88	12.43
CC-43_(3.0	00627-008		01/25/2013	21:37	2.80	12.07	2.88	12.43
DD-43/EE-4	00627-009		01/25/2013	21:54	2.80	12.07	2.88	12.43
DD-43/EE-4	00627-010		01/25/2013	22:12	2.80	12.07	2.88	12.43
DD-43/EE-4	00627-011		01/25/2013	22:29	2.80	12.07	2.88	12.43
DD-43/EE-4	00627-012		01/25/2013	22:46	2.80	12.07	2.88	12.43
FF-42_(0-1	00627-013		01/25/2013	23:03	2.80	12.07	2.88	12.42

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

( ± 0.10 Minutes )

DCB = Decachlorobiphenyl

( ± 0.10 Minutes )

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

## PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-Y

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	<u>2.80</u>	DCB 1	<u>12.07</u>	TCMX 2	<u>2.88</u>	DCB 2	<u>12.42</u>
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Client ID	Lab	Date	Time	TCMX 1	DCB 1	TCMX 2	DCB 2	
	Sample ID	Analyzed	Analyzed	RT	#	RT	#	RT
PCB	BLKA130124-06	01/26/2013	17:36	2.80	12.07	2.88	12.42	
MW-12RR	00538-005	01/26/2013	17:54	2.80	12.07	2.88	12.42	
FB	00538-011	01/26/2013	18:11	2.80	12.07	2.88	12.42	
EFFLUENT	00581-001	01/26/2013	18:28	2.80	12.07	2.88	12.42	
MW-11RR	00538-006	01/26/2013	18:45	2.80	12.07	2.88	12.42	
FB-57	00569-017	01/26/2013	19:02	2.80	12.07	2.88	12.42	
FB-58	00627-025	01/26/2013	19:19	2.80	12.07	2.88	12.42	
FB-59	00646-025	01/26/2013	19:36	2.80	12.07	2.88	12.42	
F-TANK	00622-006	01/26/2013	19:54	2.80	12.07	2.88	12.42	
FB_011813	00578-002	01/26/2013	20:11	2.80	12.07	2.88	12.42	
PCB	LCSA130124-06	01/28/2013	10:56	2.79	12.06	2.88	12.43	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (  $\pm$  0.10 Minutes )

DCB = Decachlorobiphenyl (  $\pm$  0.10 Minutes )

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

# PCB RETENTION TIME SHIFT SUMMARY

**Instrument ID:** GC-R

**Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	<u><b>3.39</b></u>	DCB 1	<u><b>12.99</b></u>	TCMX 2	<u><b>3.35</b></u>	DCB 2	<u><b>13.08</b></u>
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Client ID	Sample ID	Lab	Date Analyzed	Time Analyzed	TCMX 1 RT #	DCB 1 RT #	TCMX 2 RT #	DCB 2 RT #
PCB	BLKS130123-05		01/24/2013	09:41	3.39	12.99	3.35	13.08
WC-1	00637-001		01/24/2013	09:58	3.39	12.98	3.33	13.07
WC-1	00645-001		01/24/2013	10:15	3.39	12.98	3.33	13.07
PCB	00637-001MS		01/24/2013	10:33	3.39	12.99	3.34	13.07
PCB	00637-001MSD		01/24/2013	10:50	3.39	12.99	3.34	13.07
PCB	LCSS130123-05		01/24/2013	11:08	3.39	12.99	3.34	13.08
CC-44_(1.0)	00569-002		01/24/2013	16:04	3.39	12.99	3.34	13.06
CC-44_(2.0)	00569-003		01/24/2013	16:21	3.39	12.99	3.35	13.08
CC-44_(3.0)	00569-004		01/24/2013	16:39	3.39	12.99	3.34	13.08
FF-44_(0-1)	00569-005		01/24/2013	16:56	3.39	12.99	3.35	13.07
FF-44_(1.0)	00569-006		01/24/2013	17:14	3.39	12.99	3.35	13.08
FF-44_(2.0)	00569-007		01/24/2013	17:31	3.39	12.99	3.35	13.08
FF-44_(3.0)	00569-008		01/24/2013	17:48	3.39	12.99	3.34	13.08
EE-43_(0-1)	00569-009		01/24/2013	18:06	3.39	12.99	3.35	13.07
EE-43_(1.0)	00569-010		01/24/2013	18:23	3.39	12.99	3.35	13.08
EE-43_(2.0)	00569-011		01/24/2013	18:41	3.39	12.99	3.35	13.07
EE-43_(3.0)	00569-012		01/24/2013	18:58	3.39	12.99	3.34	13.08
DD-42(R)_(	00569-013		01/24/2013	19:16	3.39	12.99	3.35	13.07
DD-42(R)_(	00569-014		01/24/2013	19:33	3.39	12.99	3.32	13.07
DD-42(R)_(	00569-015		01/24/2013	19:50	3.39	12.99	3.35	13.07
DD-42(R)_(	00569-016		01/24/2013	20:08	3.39	12.99	3.35	13.08
DD-44_(0-1)	00627-001		01/24/2013	20:25	3.39	12.99	3.35	13.07
CC-44_(0-1)	00569-001		01/24/2013	21:00	3.39	12.99	3.34	13.07
DD-44_(1.0)	00627-002		01/25/2013	10:00	3.39	12.98	3.33	13.07

Surrogate QC Limits

**TCMX = Tetrachloro-m-xylene** ( ± 0.10 Minutes )

**DCB = Decachlorobiphenyl** ( ± 0.10 Minutes )

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

## PCB RETENTION TIME SHIFT SUMMARY

**Instrument ID:** GC-Y

**Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	<u>2.79</u>	DCB 1	<u>12.06</u>	TCMX 2	<u>2.88</u>	DCB 2	<u>12.43</u>
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Client ID	Sample ID	Lab	Date Analyzed	Time Analyzed	TCMX 1 RT #	DCB 1 RT #	TCMX 2 RT #	DCB 2 RT #
PCB	BLKS130125-10		01/28/2013	15:36	2.79	12.06	2.88	12.43
WC-1/0.5	00718-001		01/28/2013	15:53	2.80	12.07	2.88	12.42
WH-61-DEL-	00710-001		01/28/2013	16:10	2.80	12.07	2.88	12.42
WH-61-DEL-	00710-002		01/28/2013	16:27	2.80	12.07	2.88	12.42
WH-61-DEL-	00710-003		01/28/2013	16:44	2.80	12.06	2.88	12.42
WH-61-DEL-	00710-004		01/28/2013	17:04	2.79	12.07	2.88	12.42
WH-61-DEL-	00710-005		01/28/2013	17:21	2.80	12.07	2.88	12.42
WH-61-DEL-	00710-006		01/28/2013	17:38	2.80	12.07	2.88	12.42
WH-61-DEL-	00710-007		01/28/2013	17:55	2.80	12.06	2.88	12.42
WH-61-DEL-	00710-008		01/28/2013	18:12	2.80	12.07	2.88	12.42
WH-61-DEL-	00710-009		01/28/2013	18:29	2.80	12.07	2.88	12.42
FF-42_(1.0)	00627-014		01/28/2013	19:04	2.80	12.07	2.88	12.42
FF-42_(2.0)	00627-015		01/28/2013	19:21	2.80	12.07	2.88	12.42
FF-42_(3.0)	00627-016		01/28/2013	19:38	2.80	12.07	2.88	12.42
FF-41_(0-1)	00627-017		01/28/2013	19:55	2.80	12.07	2.88	12.42
FF-41_(1.0)	00627-018		01/28/2013	20:12	2.80	12.07	2.88	12.42
FF-41_(2.0)	00627-019		01/28/2013	20:29	2.80	12.07	2.88	12.42
FF-41_(3.0)	00627-020		01/28/2013	20:47	2.80	12.07	2.88	12.42
FF-40_(1.0)	00627-022		01/28/2013	21:21	2.80	12.07	2.88	12.42
PCB	00718-001MS		01/28/2013	21:38	2.80	12.07	2.88	12.42
PCB	00718-001MSD		01/28/2013	21:55	2.80	12.06	2.88	12.42
PCB	LCSS130125-10		01/28/2013	22:12	2.80	12.07	2.88	12.43
WH-61-DEL-	00710-010		01/29/2013	09:33	2.79	12.06	2.89	12.43
FF-40_(0-1)	00627-021		01/29/2013	09:50	2.80	12.07	2.88	12.42

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (  $\pm$  0.10 Minutes )

DCB = Decachlorobiphenyl (  $\pm$  0.10 Minutes )

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

## PCB RETENTION TIME SHIFT SUMMARY

**Instrument ID:** GC-R      **Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	<u>3.39</u>	DCB 1	<u>12.99</u>	TCMX 2	<u>3.33</u>	DCB 2	<u>13.06</u>
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Client ID	Lab	Date Analyzed	Time Analyzed	TCMX 1 RT #	DCB 1 RT #	TCMX 2 RT #	DCB 2 RT #
PCB	BLKS130128-03	01/29/2013	22:45	3.39	12.99	3.33	13.06
WH-61-DEL-	00710-011	01/29/2013	23:03	3.39	12.98	3.33	13.06
WH-61-DEL-	00710-012	01/29/2013	23:20	3.39	12.99	3.33	13.06
FF-40_(2.0	00627-023	01/29/2013	23:38	3.39	12.99	3.34	13.06
FF-40_(3.0	00627-024	01/29/2013	23:55	3.39	12.99	3.33	13.05
EE-42(0-1.	00646-001	01/30/2013	00:12	3.39	12.99	3.34	13.06
EE-42(1.0-	00646-002	01/30/2013	00:30	3.39	12.99	3.34	13.06
EE-42(2.0-	00646-003	01/30/2013	00:47	3.39	12.98	3.34	13.06
EE-42(3.0-	00646-004	01/30/2013	01:05	3.39	12.99	3.33	13.06
DD-41(R)(1	00646-006	01/30/2013	01:40	3.39	12.98	3.34	13.05
DD-41(R)(2	00646-007	01/30/2013	01:57	3.39	12.99	3.34	13.06
DD-41(R)(3	00646-008	01/30/2013	02:15	3.39	12.99	3.33	13.06
FF-39(0-1.	00646-009	01/30/2013	02:32	3.39	12.99	3.34	13.05
FF-39(1.0-	00646-010	01/30/2013	02:49	3.39	12.98	3.34	13.06
FF-39(2.0-	00646-011	01/30/2013	03:07	3.39	12.99	3.33	13.06
FF-39(3.0-	00646-012	01/30/2013	03:24	3.39	12.99	3.33	13.06
FF-38(0-1.	00646-013	01/30/2013	03:42	3.39	12.99	3.33	13.06
FF-38(1.0-	00646-014	01/30/2013	03:59	3.39	12.98	3.33	13.06
FF-38(2.0-	00646-015	01/30/2013	04:16	3.39	12.99	3.33	13.06
FF-38(3.0-	00646-016	01/30/2013	04:34	3.39	12.99	3.33	13.06
PCB	00646-016MS	01/30/2013	04:51	3.39	12.99	3.33	13.06
PCB	00646-016MSD	01/30/2013	05:09	3.39	12.99	3.33	13.06
PCB	LCSS130128-03	01/30/2013	05:26	3.39	12.99	3.33	13.06
DD-41(R)(0	00646-005	01/30/2013	12:16	3.39	12.99	3.34	13.07

Surrogate QC Limits

**TCMX = Tetrachloro-m-xylene**      ( ± 0.10 Minutes )

**DCB = Decachlorobiphenyl**      ( ± 0.10 Minutes )

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

**PCB SAMPLE DATA**

E13-00627 0114

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-24-13\  
 Data File : R7031.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 24 Jan 2013 20:25  
 Operator : JS  
 Sample : DD-44\_(0-1,00627-001,S,5.63g,78.5,01/23/13,4  
 Misc : 130123-05,01/21/13,01/21/13,1  
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 28 13:44:26 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0121.M  
 Quant Title :  
 QLast Update : Tue Jan 22 10:09:27 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>							
	System Monitoring Compounds						
1) S	TCMX	3.39	3.35	58602.6E6	81116.1E6	224.418	244.716
	Spiked Amount	200.000			Recovery	= 112.21%	122.36%
2) S	DCB	12.99	13.07	12696.7E6	16119.3E6	250.895	254.787
	Spiked Amount	200.000			Recovery	= 125.45%	127.39%
<hr/>							
Target Compounds							
	Sum Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
	Sum Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
	Sum Aroclor-1242			0	0	N.D.	N.D.
Average	Aroclor-1242					0.000	0.000
23) L6	Aroclor-1248	5.21	5.63	3859.2E6	5505.7E6	286.811	360.414 #
24) L6	Aroclor-1248 {2}	5.77	6.21	2165.8E6	8045.6E6	298.580	366.230m
25) L6	Aroclor-1248 {3}	6.11	6.62	2507.3E6	6313.1E6	302.308	400.543m#
26) L6	Aroclor-1248 {4}	6.83	6.78	3629.5E6	3401.7E6	208.113	235.308m
27) L6	Aroclor-1248 {5}	7.12	7.14	2610.1E6	1895.7E6	198.275	250.933 #
	Sum Aroclor-1248			14771.9E6	25161.8E6	1294.087	1613.428
Average	Aroclor-1248					258.817	322.686
	Sum Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000
	Sum Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000
	Sum Aroclor-1262			0	0	N.D.	N.D.
Average	Aroclor-1262					0.000	0.000
	Sum Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000
<hr/>							

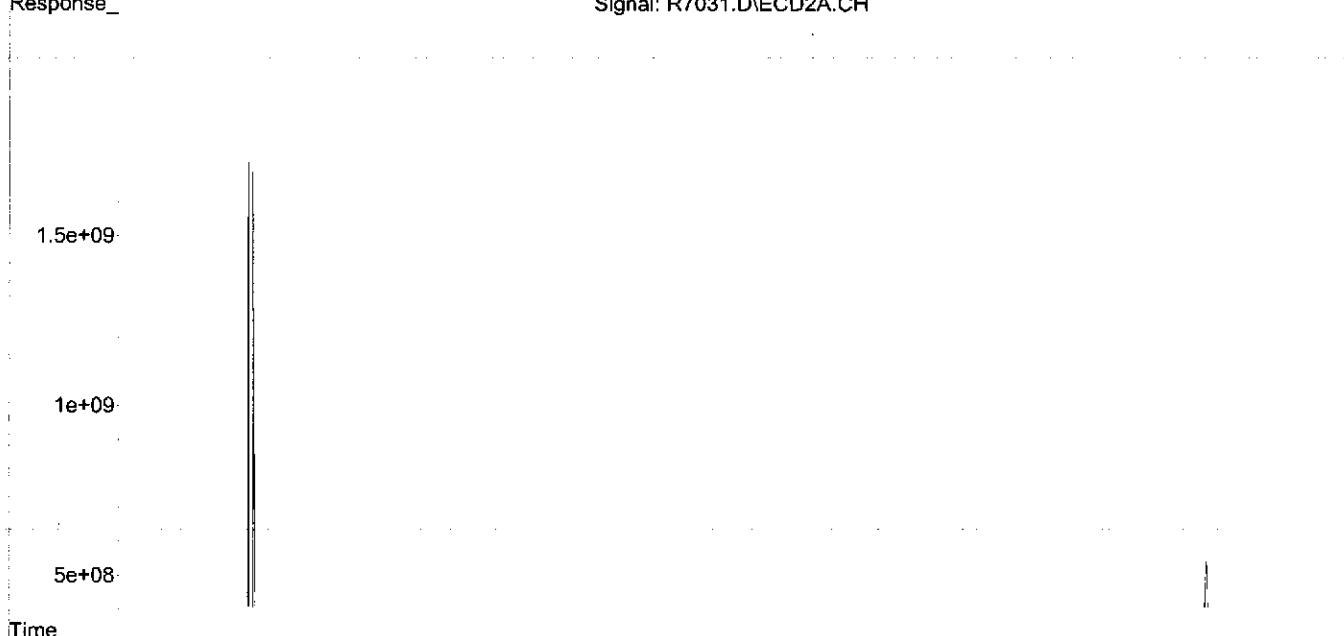
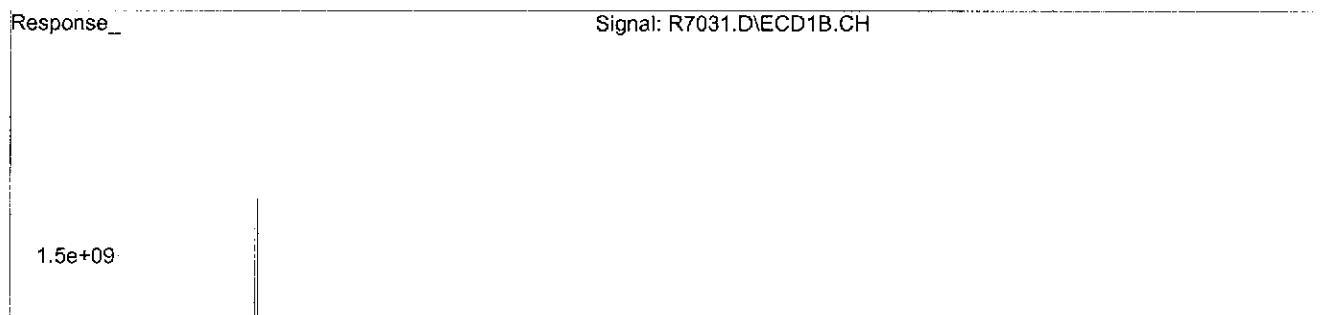
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

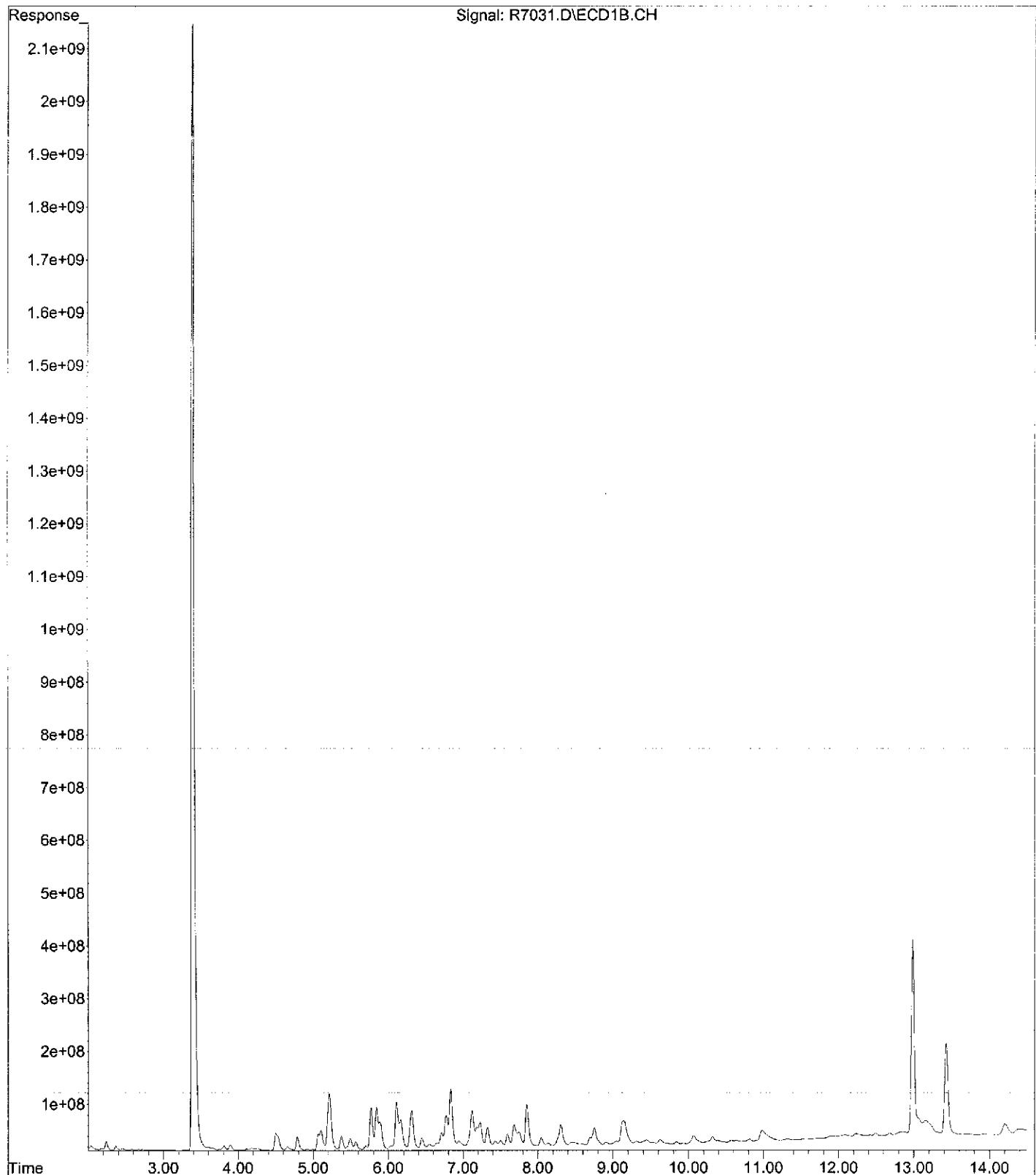
Data Path : C:\MSDCHEM\1\DATA\01-24-13\  
Data File : R7031.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Accq On : 24 Jan 2013 20:25  
Operator : JS  
Sample : DD-44 (0-1,00627-001,S,5.63g,78.5,01/23/13,4  
Misc : 130123-05,01/21/13,01/21/13,1  
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 28 13:44:26 2013  
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0121.M  
Quant Title :  
QLast Update : Tue Jan 22 10:09:27 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

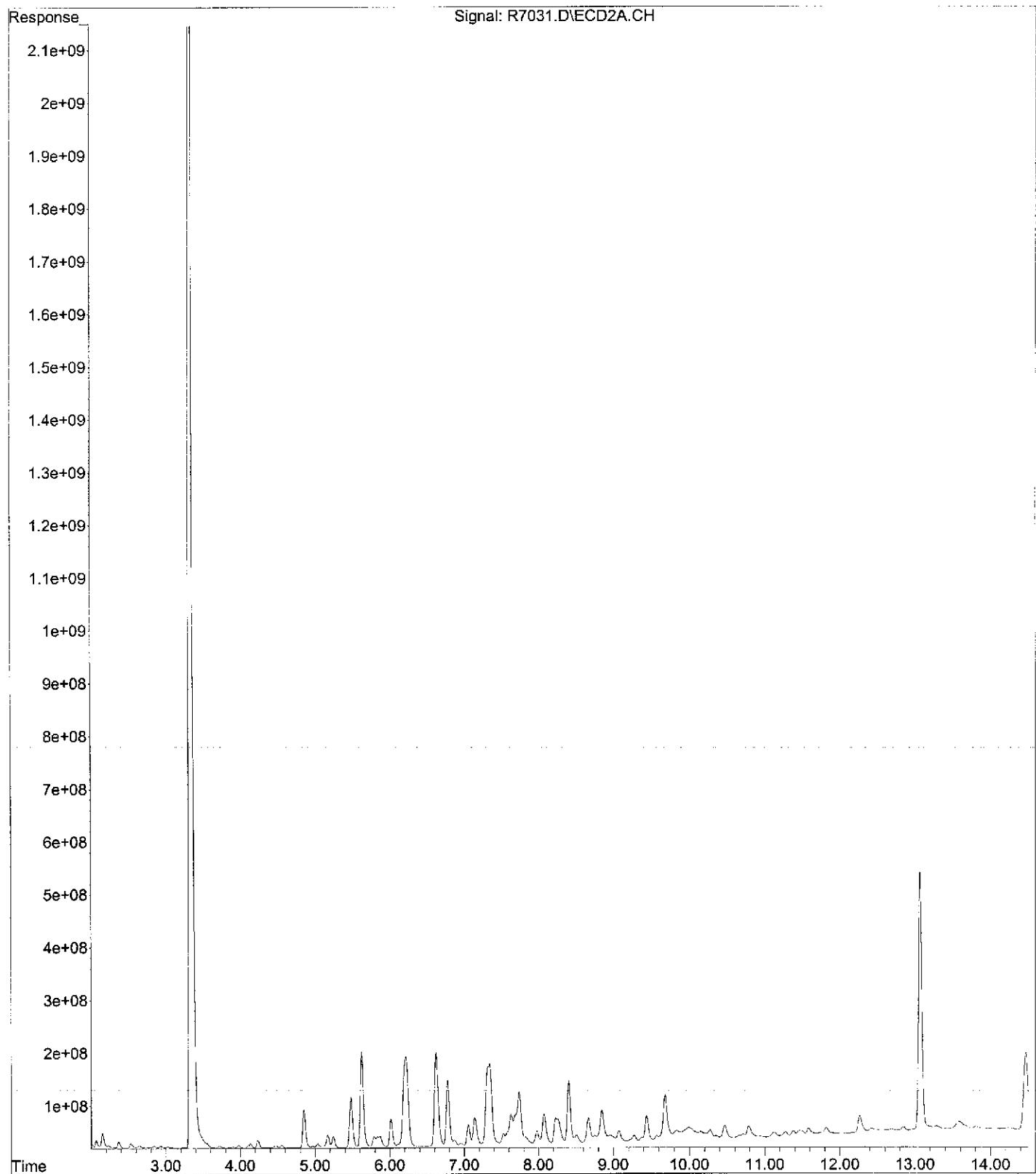
Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-24-13\R7031.D  
Operator : JS  
Acquired : 24 Jan 2013 20:25 using AcqMethod RPCB0121.M  
Instrument : GC\_R  
Sample Name: DD-44 (0-1,00627-001,S,5.63g,78.5,01/23/13,4  
Misc Info : 130123-05,01/21/13,01/21/13,1  
Vial Number: 21



File : C:\MSDChem\1\DATA\01-24-13\R7031.D  
Operator : JS  
Acquired : 24 Jan 2013 20:25 using AcqMethod RPCB0121.M  
Instrument : GC\_R  
Sample Name: DD-44\_(0-1,00627-001,S,5.63g,78.5,01/23/13,4  
Misc Info : 130123-05,01/21/13,01/21/13,1  
Vial Number: 21



## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
 Data File : R7037.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 25 Jan 2013 10:00  
 Operator : JS  
 Sample : DD-44\_(1.0,00627-002,S,5.13g,85.2,01/23/13,4  
 Misc : 130123-05,01/21/13,01/21/13,2  
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 28 14:26:06 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0121.M  
 Quant Title :  
 QLast Update : Tue Jan 22 10:09:27 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2	
<hr/>								
1) S	TCMX	3.39	3.34	32583.5E6	59907.4E6	124.778	180.732 #	
	Spiked Amount	200.000		Recovery	=	62.39%	90.37%	
2) S	DCB	12.98	13.08	6325.4E6	9213.9E6	124.993	145.639	
	Spiked Amount	200.000		Recovery	=	62.50%	72.82%	
<hr/>								
Target Compounds								
	Sum Aroclor-1016			0	0	N.D.	N.D.	
Average	Aroclor-1016					0.000	0.000	
	Sum Aroclor-1221			0	0	N.D.	N.D.	
Average	Aroclor-1221					0.000	0.000	
	Sum Aroclor-1232			0	0	N.D.	N.D.	
Average	Aroclor-1232					0.000	0.000	
18)	L5 Aroclor-1242	4.78	5.25	4865.6E6	4144.2E6	772.405	869.322m	
19)	L5 Aroclor-1242	{2}	5.76	6.02	4282.1E6	9436.4E6	1116.292	1186.110
20)	L5 Aroclor-1242	{3}	6.10	6.62	6320.9E6	15229.8E6	1175.386	1504.047m#
21)	L5 Aroclor-1242	{4}	6.83	6.78	8029.4E6	12090.9E6	740.941	1406.096m#
22)	L5 Aroclor-1242	{5}	7.11	7.34	8033.8E6	19858.7E6	1029.892	1251.366m
	Sum Aroclor-1242			31531.8E6	60760.1E6	4834.915	6216.940	
Average	Aroclor-1242					966.983	1243.388	
	Sum Aroclor-1248			0	0	N.D.	N.D.	
Average	Aroclor-1248					0.000	0.000	
	Sum Aroclor-1254			0	0	N.D.	N.D.	
Average	Aroclor-1254					0.000	0.000	
	Sum Aroclor-1260			0	0	N.D.	N.D.	
Average	Aroclor-1260					0.000	0.000	
	Sum Aroclor-1262			0	0	N.D.	N.D.	
Average	Aroclor-1262					0.000	0.000	
	Sum Aroclor-1268			0	0	N.D.	N.D.	
Average	Aroclor-1268					0.000	0.000	

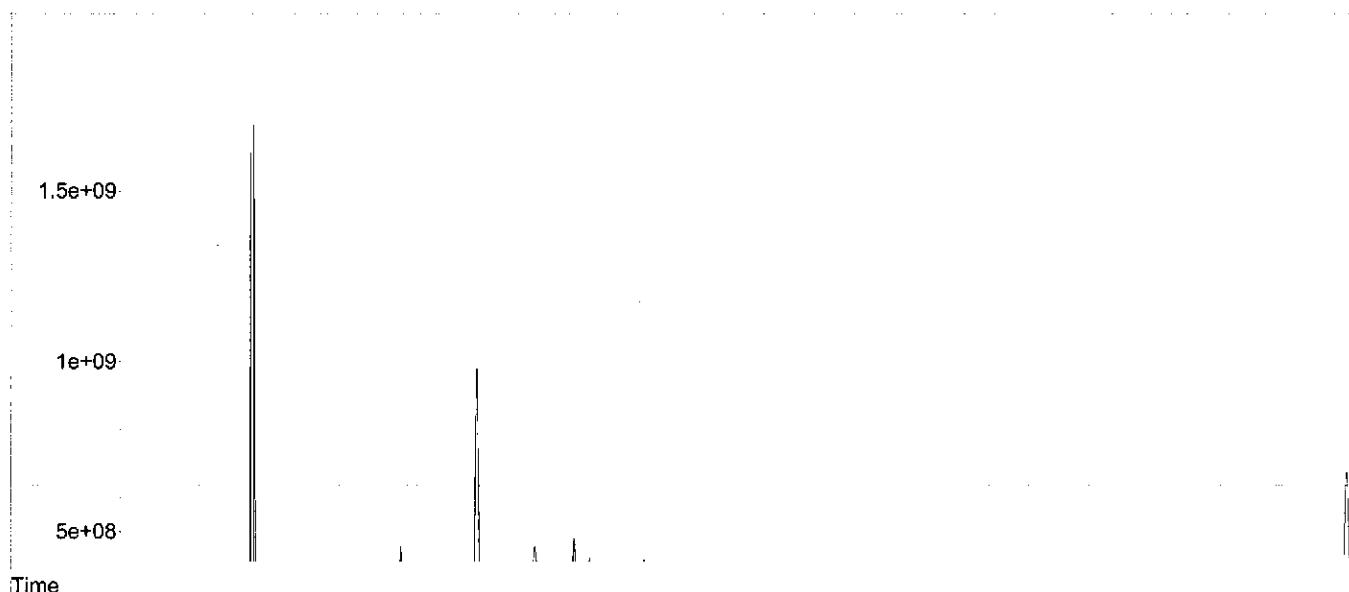
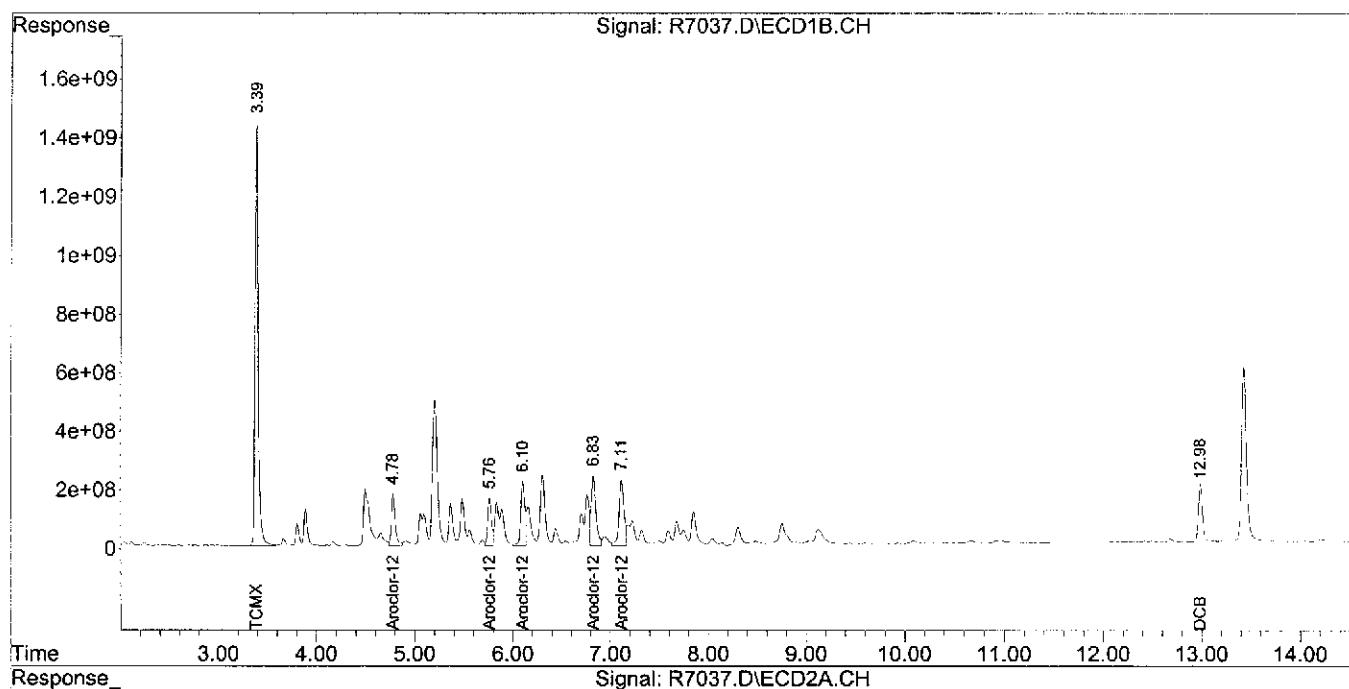
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

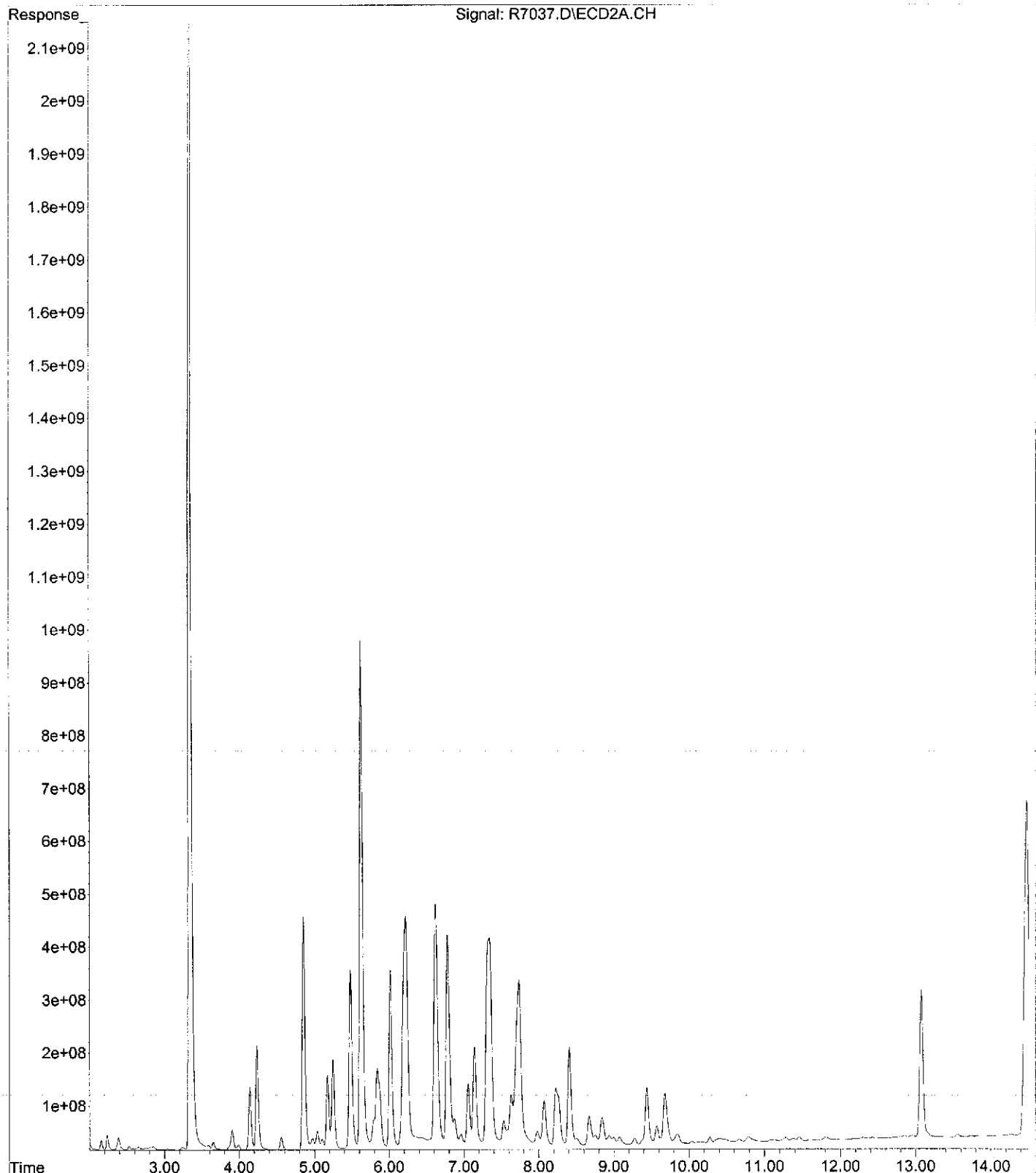
Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
Data File : R7037.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 25 Jan 2013 10:00  
Operator : JS  
Sample : DD-44\_(1.0,00627-002,S,5.13g,85.2,01/23/13,4  
Misc : 130123-05,01/21/13,01/21/13,2  
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 28 14:26:06 2013  
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0121.M  
Quant Title :  
QLast Update : Tue Jan 22 10:09:27 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-25-13\R7037.D  
Operator : JS  
Acquired : 25 Jan 2013 10:00 using AcqMethod RPCB0121.M  
Instrument : GC\_R  
Sample Name: DD-44\_(1.0,00627-002,S,5.13g,85.2,01/23/13,4  
Misc Info : 130123-05,01/21/13,01/21/13,2  
Vial Number: 22



Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
 Data File : Y5359.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 25 Jan 2013 20:12  
 Operator : JS  
 Sample : DD-44\_(2.0,00627-003,S,5.06g,24.1,01/24/13,4  
 Misc : 130124-03,01/21/13,01/21/13,1  
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 28 11:11:06 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.80	2.88	22286.3E6	6949.0E6	224.497	212.397
Spiked Amount	200.000			Recovery	= 112.25%	106.20%
2) S DCB	12.07	12.43	7376.6E6	1987.9E6	245.555	264.011
Spiked Amount	200.000			Recovery	= 122.78%	132.01%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.08	4.72	51824294	10204694	21.918m	22.776m
19) L5 Aroclor-1242	{2}	5.02	41454378	17808094	26.681m	22.980m
20) L5 Aroclor-1242	{3}	5.34	6.06	68388394	36627073	33.293m
21) L5 Aroclor-1242	{4}	6.04	6.22	28184164	26604051	8.172m
22) L5 Aroclor-1242	{5}	6.31	0.00	41718704	0	14.729m
Sum Aroclor-1242				231.6E6	91243911	N.D. d#
Average Aroclor-1242					104.793	112.877
					20.959	28.219
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

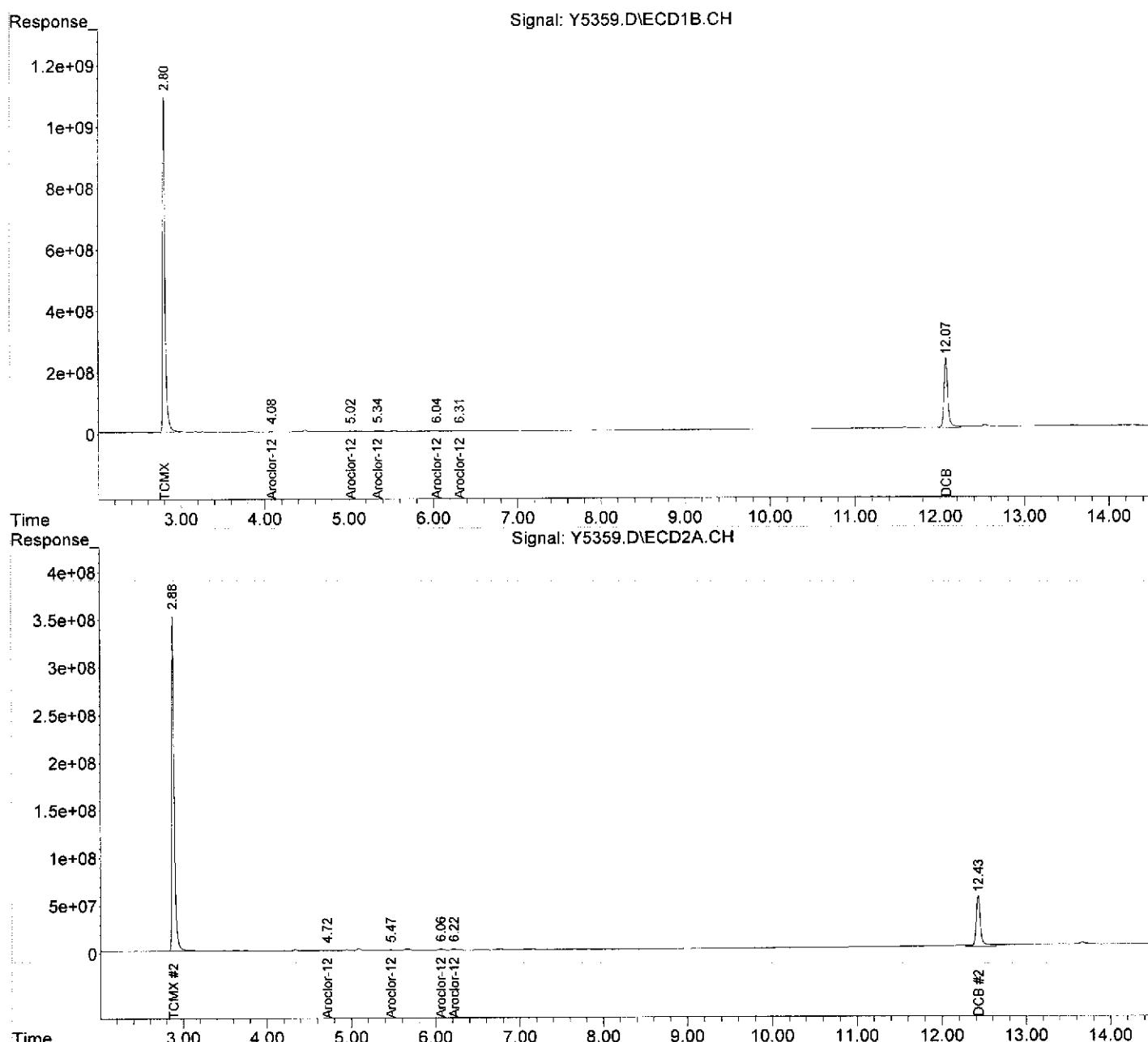
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
Data File : Y5359.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 25 Jan 2013 20:12  
Operator : JS  
Sample : DD-44\_(2.0,00627-003,S,5.06g,24.1,01/24/13,4  
Misc : 130124-03,01/21/13,01/21/13,1  
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 28 11:11:06 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
 Data File : Y5360.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 25 Jan 2013 20:29  
 Operator : JS  
 Sample : DD-44\_(3.0,00627-004,S,5.79g,21.9,01/24/13,4  
 Misc : 130124-03,01/21/13,01/21/13,1  
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 28 11:09:22 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.80	2.88	22407.0E6	6945.6E6	225.714	212.293
Spiked Amount	200.000			Recovery	= 112.86%	106.15%
2) S DCB	12.07	12.43	7122.9E6	2003.9E6	237.111	266.136
Spiked Amount	200.000			Recovery	= 118.56%	133.07%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.08	4.71	21032315	4036495	8.895	9.009m
19) L5 Aroclor-1242 {2}	5.02	5.47	12930733	6148827	8.322m	7.934m
20) L5 Aroclor-1242 {3}	5.33	6.06	20272635	8898331	9.869m	8.729m
21) L5 Aroclor-1242 {4}	6.04	6.21	27850044	7319641	8.075	8.582m
Sum Aroclor-1242			82085727	26403294	35.162	34.254
Average Aroclor-1242					8.790	8.564
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

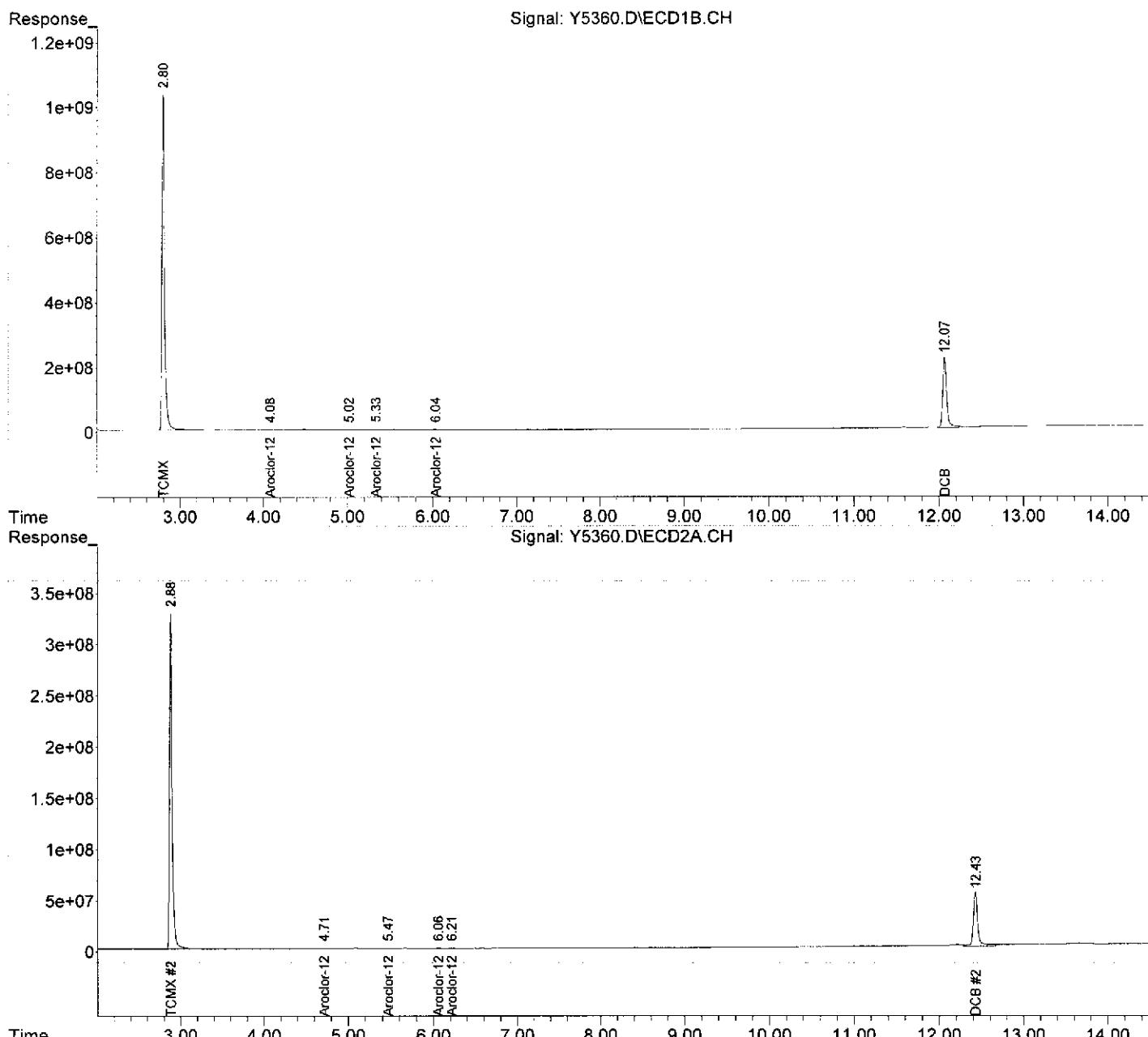
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
Data File : Y5360.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 25 Jan 2013 20:29  
Operator : JS  
Sample : DD-44\_(3.0,00627-004,S,5.79g,21.9,01/24/13,4  
Misc : 130124-03,01/21/13,01/21/13,1  
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 28 11:09:22 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
 Data File : Y5361.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 25 Jan 2013 20:46  
 Operator : JS  
 Sample : CC-43\_(0-1,00627-005,S,5.05g,80.2,01/24/13,4  
 Misc : 130124-03,01/21/13,01/21/13,1  
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 28 10:00:35 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2	
<hr/>								
1)	S TCMX	2.80	2.88	27171.4E6	8515.0E6	273.708	260.262	
	Spiked Amount	200.000		Recovery	=	136.85%	130.13%	
2)	S DCB	12.07	12.42	6692.5E6	2209.1E6	222.781	293.390 #	
	Spiked Amount	200.000		Recovery	=	111.39%	146.69%	
<hr/>								
System Monitoring Compounds								
1)	S Aroclor-1016			0	0	N.D.	N.D.	
Average	Aroclor-1016					0.000	0.000	
Sum	Aroclor-1016			0	0	N.D.	N.D.	
Average	Aroclor-1016					0.000	0.000	
Sum	Aroclor-1221			0	0	N.D.	N.D.	
Average	Aroclor-1221					0.000	0.000	
Sum	Aroclor-1232			0	0	N.D.	N.D.	
Average	Aroclor-1232					0.000	0.000	
Sum	Aroclor-1242			0	0	N.D.	N.D.	
Average	Aroclor-1242					0.000	0.000	
23)	L6 Aroclor-1248	4.49	5.09	759.7E6	215.0E6	160.881	156.112	
24)	L6 Aroclor-1248	{2}	5.02	5.66	2071.5E6	1605.1E6	747.312	749.494
25)	L6 Aroclor-1248	{3}	5.33	6.06	1701.3E6	1274.4E6	521.440	838.851 #
26)	L6 Aroclor-1248	{4}	6.03	6.22	5037.2E6	533.6E6	848.377	415.167 #
27)	L6 Aroclor-1248	{5}	6.30	6.57	2673.5E6	205.3E6	633.139	282.858 #
	Sum Aroclor-1248			12243.1E6	3833.4E6	2911.150	2442.483	
Average	Aroclor-1248					582.230	488.497	
Sum	Aroclor-1254			0	0	N.D.	N.D.	
Average	Aroclor-1254					0.000	0.000	
33)	L8 Aroclor-1260	8.29	0.00	931.7E6		0	127.972m	
34)	L8 Aroclor-1260	{2}	8.98	0.00	137.2E6	0	43.595	
35)	L8 Aroclor-1260	{3}	9.45	9.66	596.8E6	174.3E6	65.458	155.758m#
36)	L8 Aroclor-1260	{4}	9.93	10.16	280.7E6	167.6E6	65.690	65.965m
37)	L8 Aroclor-1260	{5}	10.98	10.75	228.8E6	107.1E6	105.898	59.083m#
	Sum Aroclor-1260			2175.2E6	449.0E6	408.613	280.806	
Average	Aroclor-1260					81.723	93.602	
Sum	Aroclor-1262			0	0	N.D.	N.D.	
Average	Aroclor-1262					0.000	0.000	
Sum	Aroclor-1268			0	0	N.D.	N.D.	
Average	Aroclor-1268					0.000	0.000	

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
Data File : Y5361.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 25 Jan 2013 20:46  
Operator : JS  
Sample : CC-43\_(0-1,00627-005,S,5.05g,80.2,01/24/13,4  
Misc : 130124-03,01/21/13,01/21/13,1  
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 28 10:00:35 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
-----	-----	-----	-----	-----	-----	-----

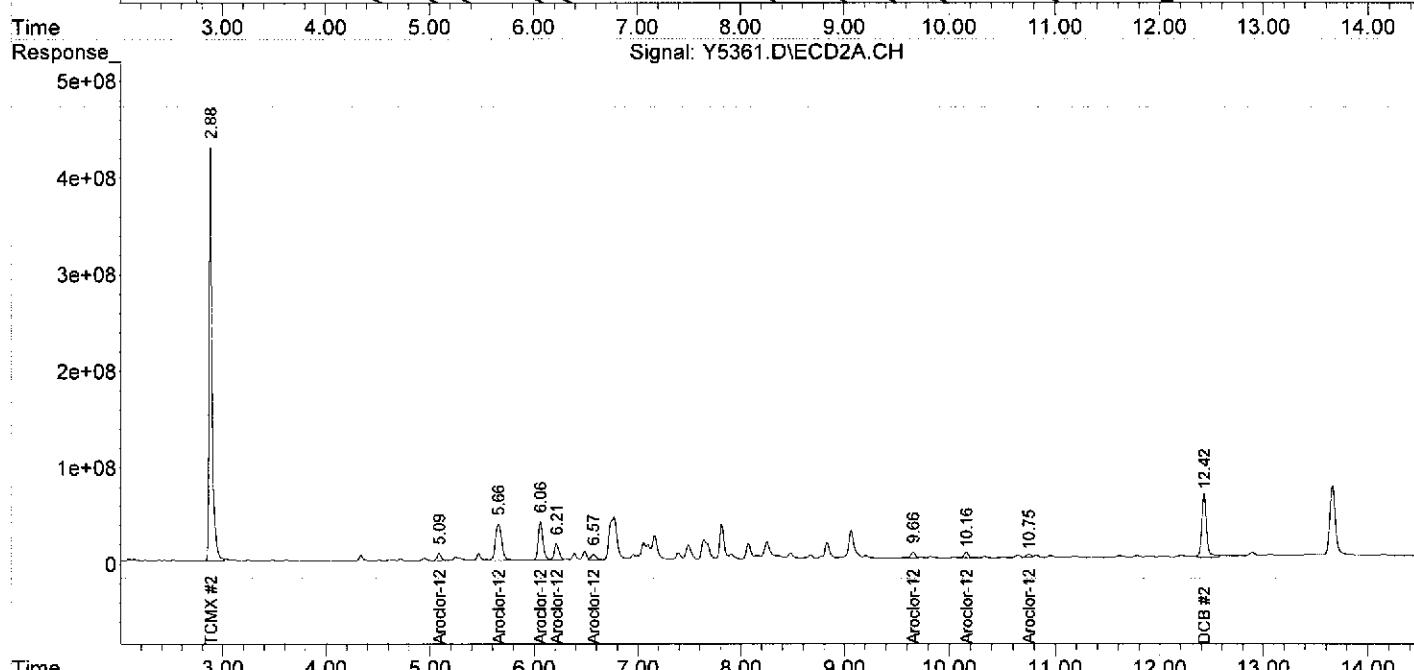
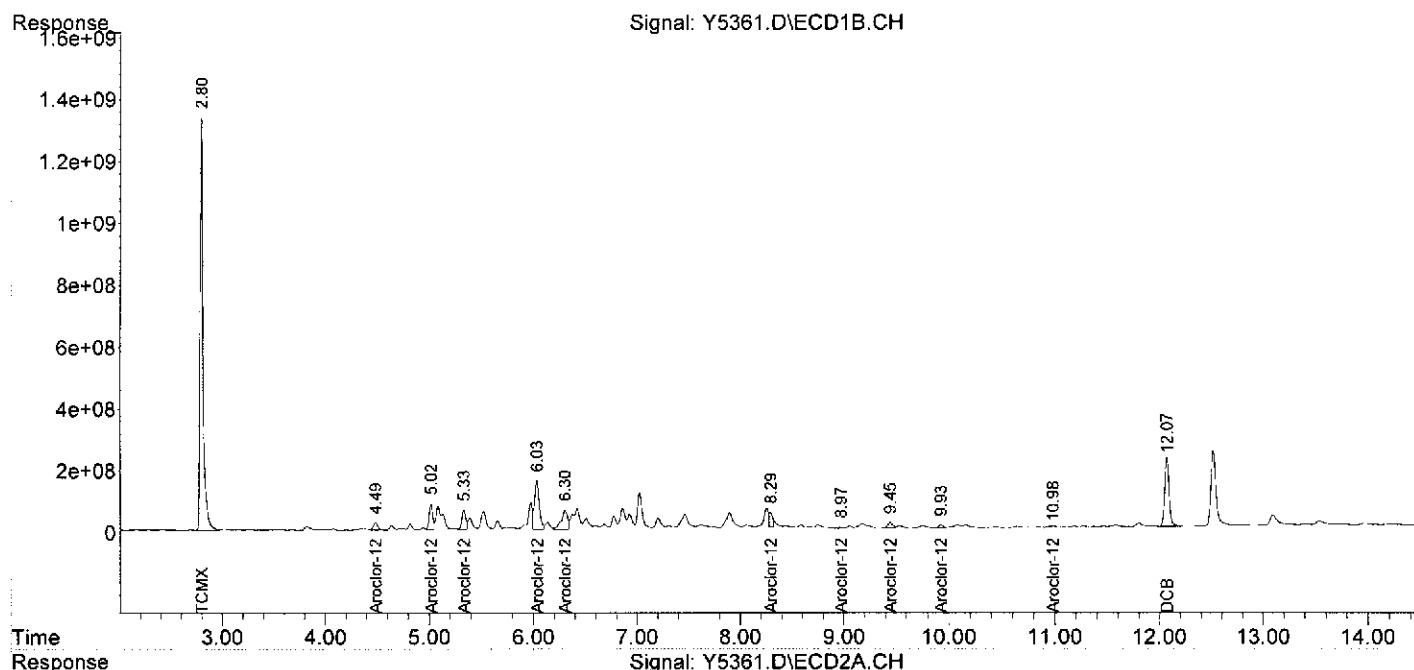
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
Data File : Y5361.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 25 Jan 2013 20:46  
Operator : JS  
Sample : CC-43\_(0-1,00627-005,S,5.05g,80.2,01/24/13,4  
Misc : 130124-03,01/21/13,01/21/13,1  
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 28 10:00:35 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
 Data File : Y5362.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 25 Jan 2013 21:03  
 Operator : JS  
 Sample : CC-43\_(1.0,00627-006,S,5.04g,85.0,01/24/13,4  
 Misc : 130124-03,01/21/13,01/21/13,1  
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 28 10:12:21 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.80	2.88	27766.7E6	8987.7E6	279.704	274.712
Spiked Amount	200.000			Recovery	= 139.85%	137.36%
2) S DCB	12.07	12.43	7904.8E6	2023.2E6	263.137	268.699m
Spiked Amount	200.000			Recovery	= 131.57%	134.35%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.49	5.09	1768.5E6	521.1E6	374.530	378.332
24) L6 Aroclor-1248 {2}	5.02	5.66	1332.0E6	1090.2E6	480.537	509.083
25) L6 Aroclor-1248 {3}	5.34	6.06	1889.7E6	847.8E6	579.202	558.029
26) L6 Aroclor-1248 {4}	6.03	6.22	2746.7E6	579.6E6	462.611	450.888
27) L6 Aroclor-1248 {5}	6.31	6.57	1862.3E6	265.6E6	441.030	366.005
Sum Aroclor-1248			9599.2E6	3304.3E6	2337.909	2262.337
Average Aroclor-1248					467.582	452.467
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.28	0.00	768.0E6	0	105.488m	N.D. d#
34) L8 Aroclor-1260 {2}	8.97	0.00	147.3E6	0	46.791m	N.D. d#
35) L8 Aroclor-1260 {3}	9.45	9.66	393.8E6	123.6E6	43.187m	110.464 #
36) L8 Aroclor-1260 {4}	9.93	10.16	153.6E6	161.8E6	35.945	63.682m#
37) L8 Aroclor-1260 {5}	10.98	10.74	111.8E6	89257381	51.731m	49.229m
Sum Aroclor-1260			1574.4E6	374.6E6	283.142	223.375
Average Aroclor-1260					56.628	74.458
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
Data File : Y5362.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 25 Jan 2013 21:03  
Operator : JS  
Sample : CC-43\_(1.0,00627-006,S,5.04g,85.0,01/24/13,4  
Misc : 130124-03,01/21/13,01/21/13,1  
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 28 10:12:21 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
-----	-----	-----	-----	-----	-----	-----

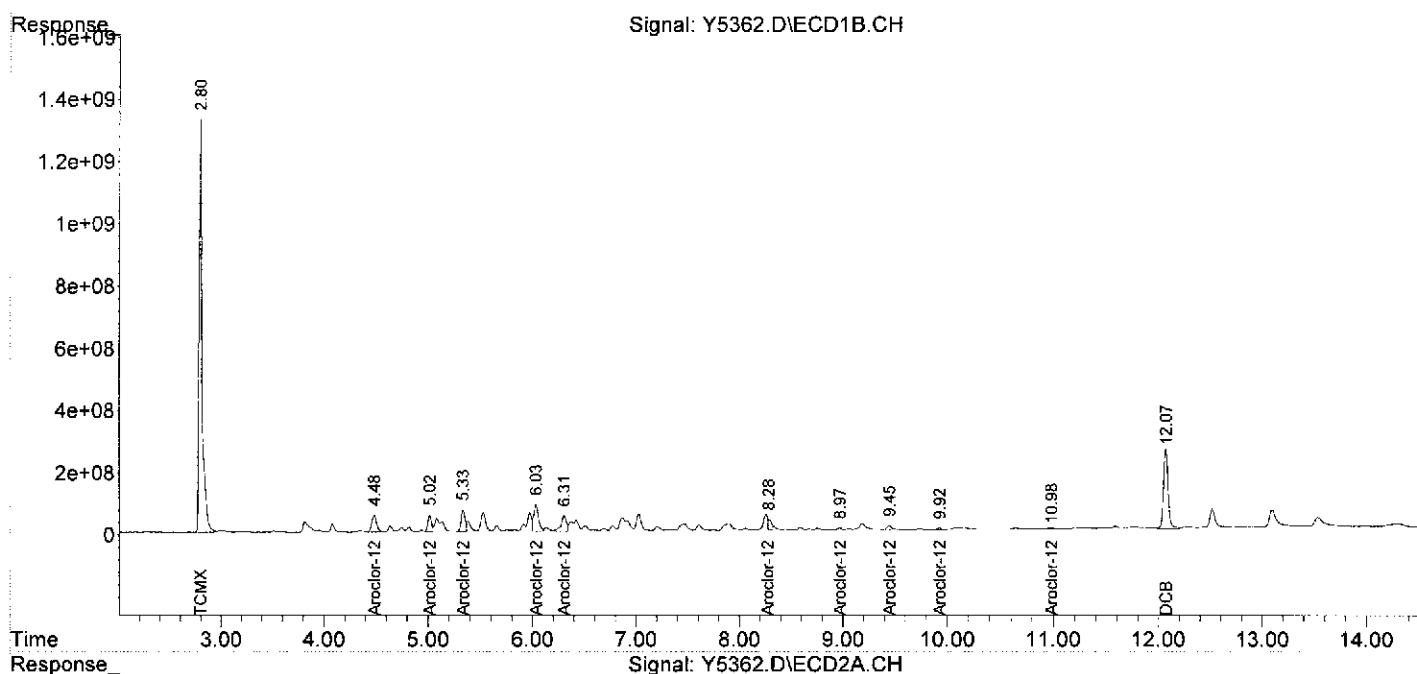
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
Data File : Y5362.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 25 Jan 2013 21:03  
Operator : JS  
Sample : CC-43\_(1.0,00627-006,S,5.04g,85.0,01/24/13,4  
Misc : 130124-03,01/21/13,01/21/13,1  
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 28 10:12:21 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
 Data File : Y5363.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 25 Jan 2013 21:20  
 Operator : JS  
 Sample : CC-43\_(2.0,00627-007,S,5.43g,82.1,01/24/13,4  
 Misc : 130124-03,01/21/13,01/21/13,1  
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 28 10:24:12 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.80	2.88	25768.5E6	8385.0E6	259.575	256.290
Spiked Amount	200.000			Recovery	= 129.79%	128.15%
2) S DCB	12.07	12.43	8133.3E6	1955.9E6	270.743	259.766m
Spiked Amount	200.000			Recovery	= 135.37%	129.88%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

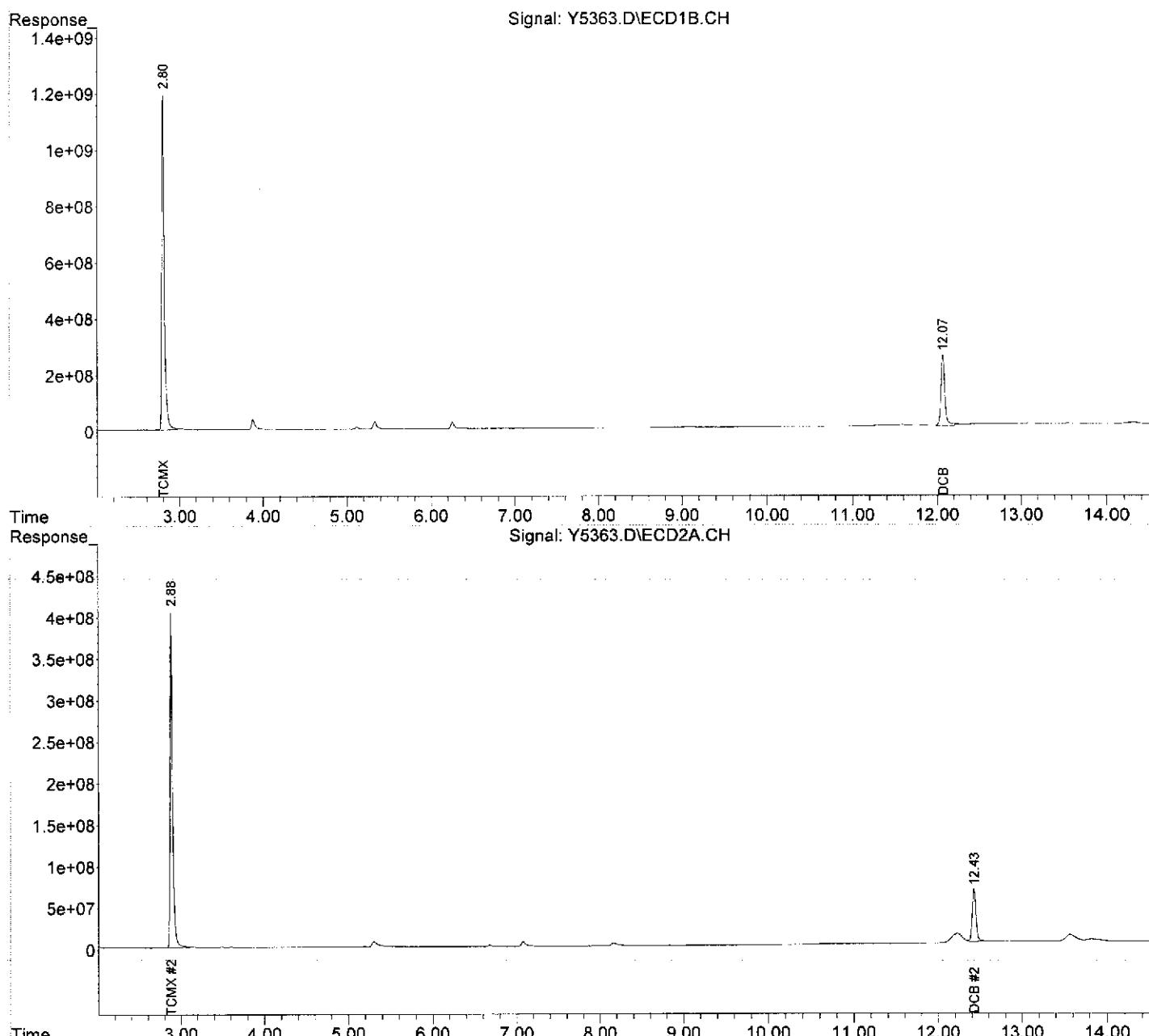
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
Data File : Y5363.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 25 Jan 2013 21:20  
Operator : JS  
Sample : CC-43\_(2.0,00627-007,S,5.43g,82.1,01/24/13,4  
Misc : 130124-03,01/21/13,01/21/13,1  
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 28 10:24:12 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
 Data File : Y5364.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 25 Jan 2013 21:37  
 Operator : JS  
 Sample : CC-43\_(3.0,00627-008,S,5.67g,21.0,01/24/13,4  
 Misc : 130124-03,01/21/13,01/21/13,1  
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 28 10:24:35 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.80	2.88	21124.6E6	6610.9E6	212.796	202.064
Spiked Amount	200.000		Recovery	=	106.40%	101.03%
2) S DCB	12.07	12.43	6430.4E6	1951.3E6	214.058	259.156
Spiked Amount	200.000		Recovery	=	107.03%	129.58%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

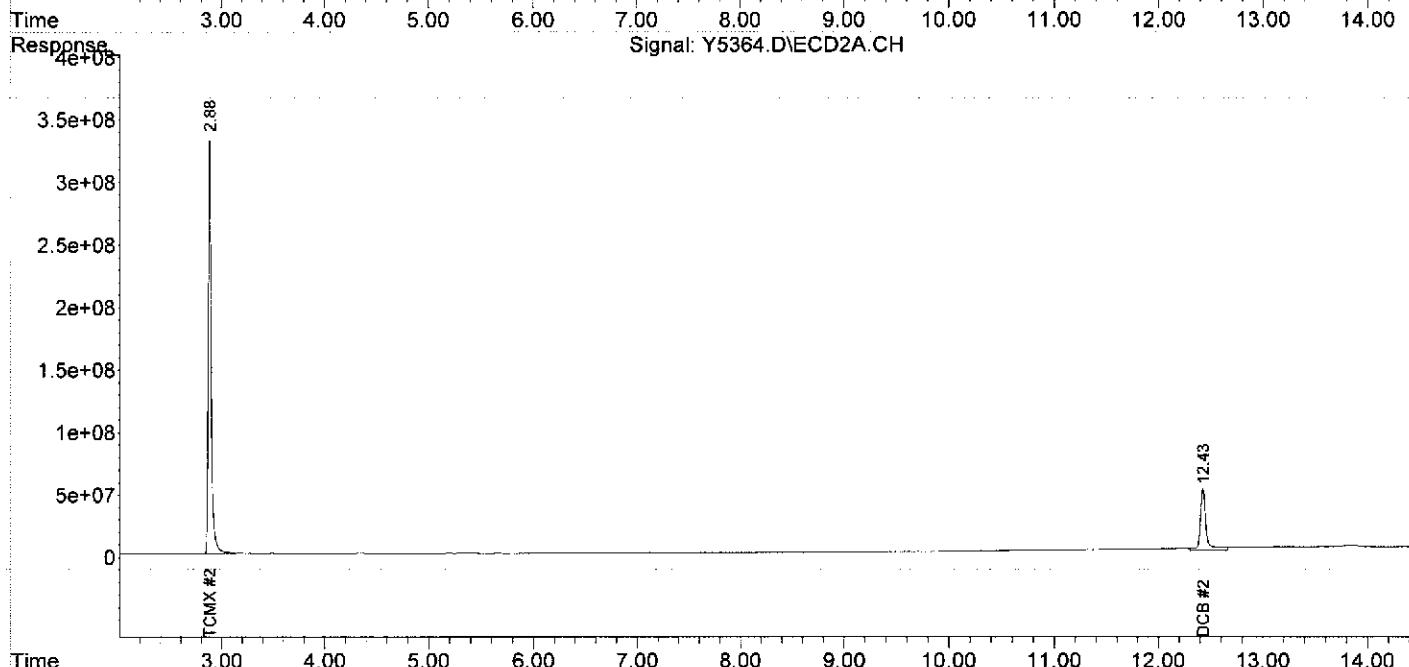
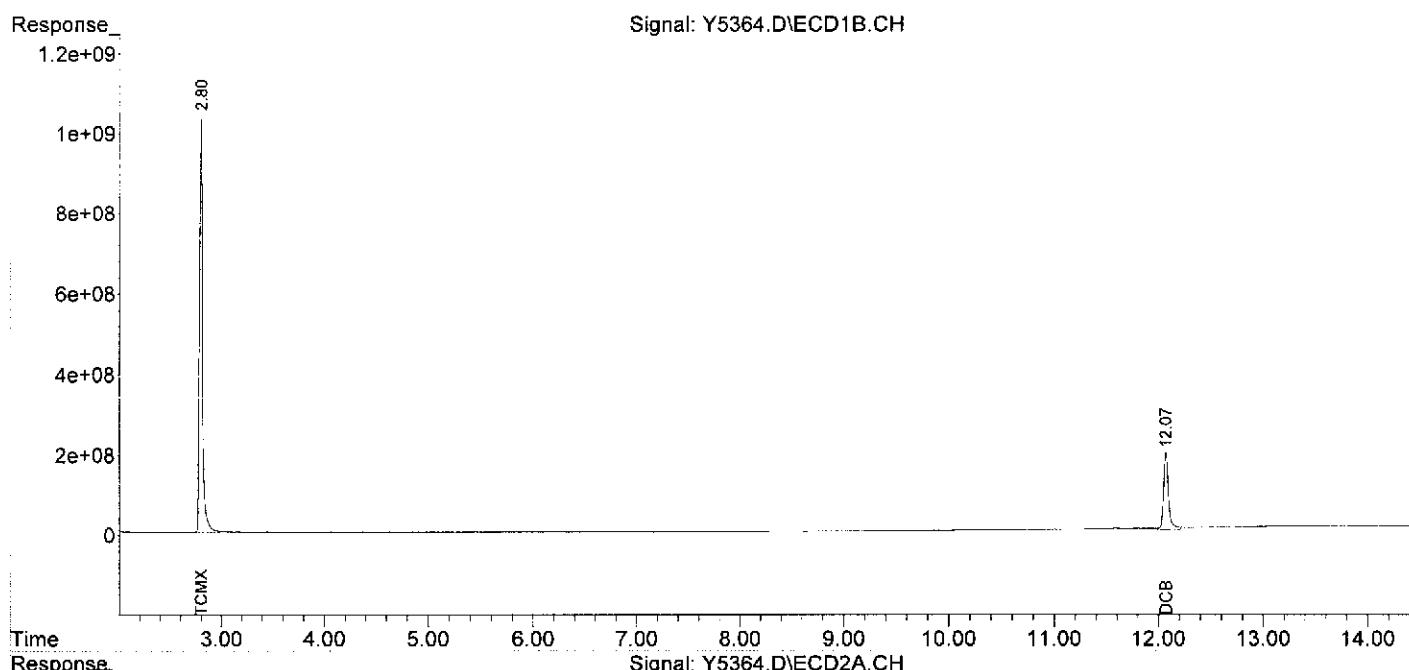
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
Data File : Y5364.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 25 Jan 2013 21:37  
Operator : JS  
Sample : CC-43\_(3.0,00627-008,S,5.67g,21.0,01/24/13,4  
Misc : 130124-03,01/21/13,01/21/13,1  
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 28 10:24:35 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
 Data File : Y5365.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 25 Jan 2013 21:54  
 Operator : JS  
 Sample : DD-43/EE-4,00627-009,S,5.35g,67.0,01/24/13,4  
 Misc : 130124-03,01/21/13,01/21/13,20  
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 28 10:13:15 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

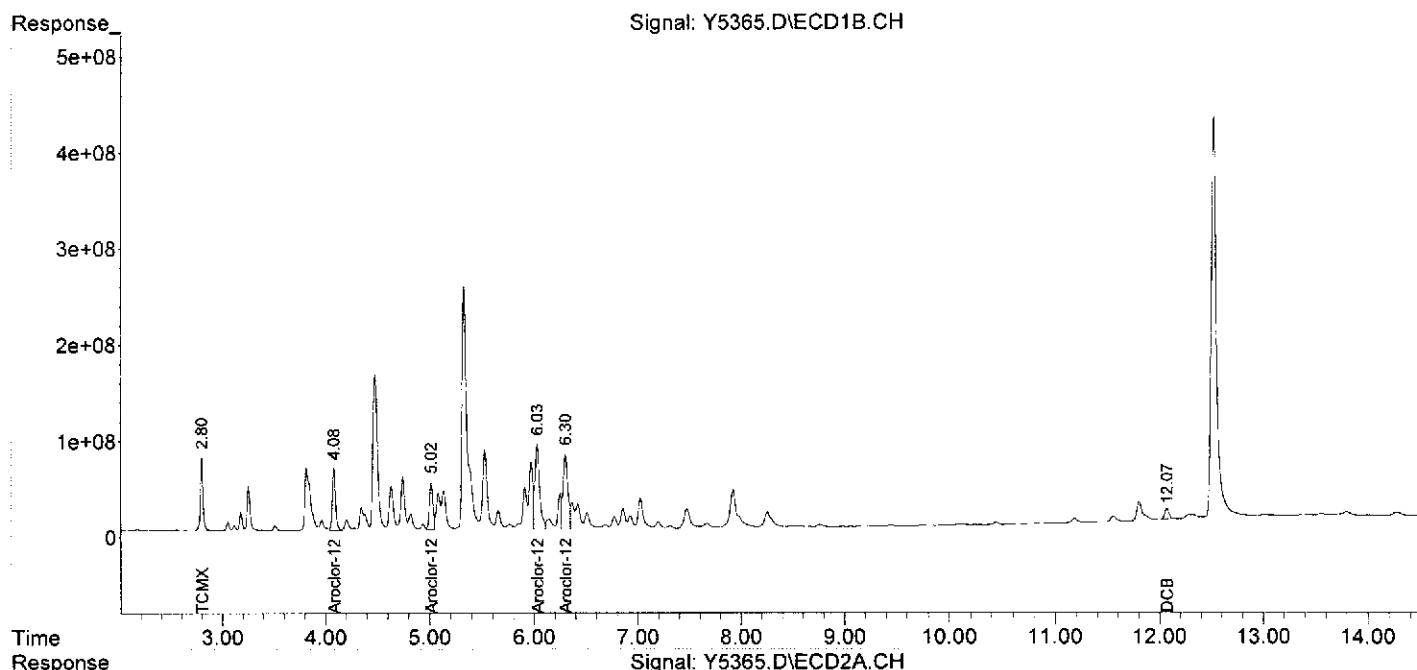
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.80	2.88	1340.2E6	394.6E6	13.501	12.061
Spiked Amount	200.000		Recovery	=	6.75%	6.03%
2) S DCB	12.07	12.43	311.7E6	98381882	10.376m	13.066m#
Spiked Amount	200.000		Recovery	=	5.19%	6.53%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.08	4.72	1379.9E6	253.5E6	583.622	565.870
19) L5 Aroclor-1242 {2}	5.02	5.47	1143.1E6	501.0E6	735.721	646.550
20) L5 Aroclor-1242 {3}	0.00	6.06	0	773.5E6	N.D. d	758.783 #
21) L5 Aroclor-1242 {4}	6.03	6.22	2736.3E6	635.8E6	793.360	745.483
22) L5 Aroclor-1242 {5}	6.30	6.76	2482.7E6	1300.2E6	876.546	790.469
Sum Aroclor-1242			7742.1E6	3464.1E6	2989.249	3507.155
Average Aroclor-1242					747.312	701.431
Sum Aroclor-1248			0 *	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
 Data File : Y5365.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 25 Jan 2013 21:54  
 Operator : JS  
 Sample : DD-43/EE-4,00627-009,S,5.35g,67.0,01/24/13,4  
 Misc : 130124-03,01/21/13,01/21/13,20  
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 28 10:13:15 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
 Data File : Y5366.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 25 Jan 2013 22:12  
 Operator : JS  
 Sample : DD-43/EE-4,00627-010,S,5.70g,39.3,01/24/13,4  
 Misc : 130124-03,01/21/13,01/21/13,1  
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 28 10:04:33 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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#### System Monitoring Compounds

1) S TCMX	2.80	2.88	19262.4E6	6931.2E6	194.038	211.855
Spiked Amount	200.000			Recovery	= 97.02%	105.93%
2) S DCB	12.07	12.43	6623.9E6	1951.3E6	220.499	259.161
Spiked Amount	200.000			Recovery	= 110.25%	129.58%

#### Target Compounds

Sum Aroclor-1016		0	0	N.D.	N.D.
Average Aroclor-1016				0.000	0.000

Sum Aroclor-1221		0	0	N.D.	N.D.
Average Aroclor-1221				0.000	0.000

Sum Aroclor-1232		0	0	N.D.	N.D.
Average Aroclor-1232				0.000	0.000

18) L5 Aroclor-1242	4.08	4.72	878.5E6	138.3E6	371.557	308.661
19) L5 Aroclor-1242 {2}	5.02	5.47	477.0E6	377.3E6	307.021	486.828 #
20) L5 Aroclor-1242 {3}	0.00	6.06	0	370.3E6	N.D. d	363.243 #
21) L5 Aroclor-1242 {4}	6.03	6.22	1388.8E6	264.4E6	402.669	309.934
22) L5 Aroclor-1242 {5}	0.00	6.77	0	243.7E6	N.D. d	148.178 #
Sum Aroclor-1242			2744.4E6	1393.9E6	1081.246	1616.845
Average Aroclor-1242					360.415	323.369

Sum Aroclor-1248		0	0	N.D.	N.D.
Average Aroclor-1248				0.000	0.000

Sum Aroclor-1254		0	0	N.D.	N.D.
Average Aroclor-1254				0.000	0.000

Sum Aroclor-1260		0	0	N.D.	N.D.
Average Aroclor-1260				0.000	0.000

Sum Aroclor-1262		0	0	N.D.	N.D.
Average Aroclor-1262				0.000	0.000

Sum Aroclor-1268		0	0	N.D.	N.D.
Average Aroclor-1268				0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

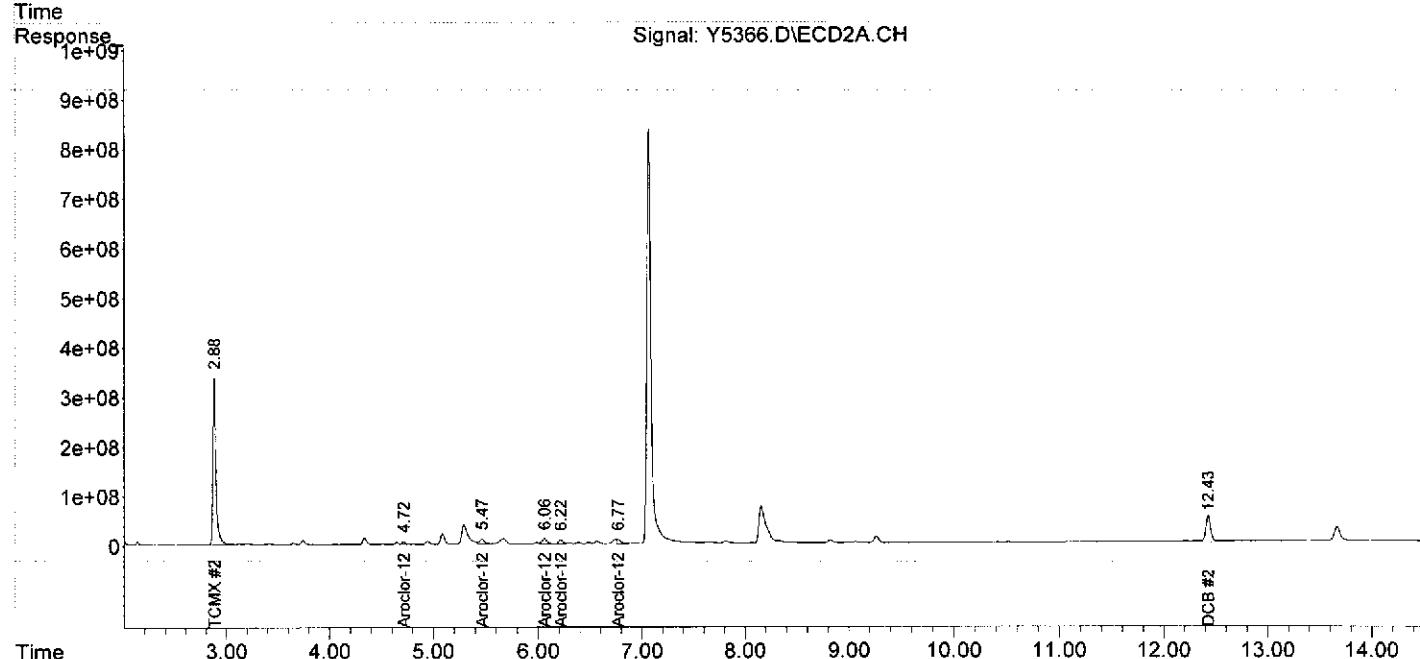
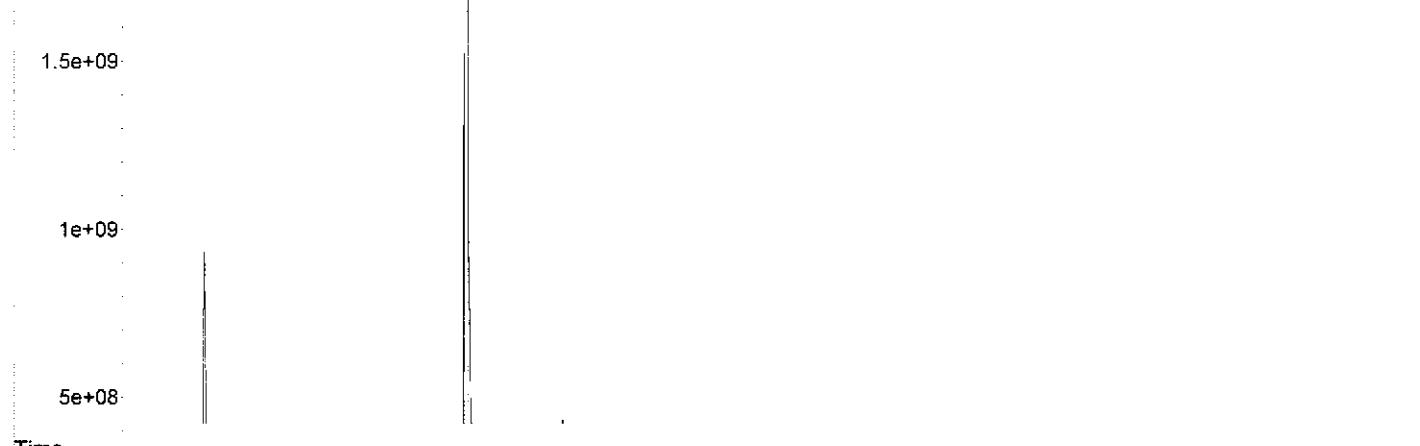
## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
Data File : Y5366.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 25 Jan 2013 22:12  
Operator : JS  
Sample : DD-43/EE-4,00627-010,S,5.70g,39.3,01/24/13,4  
Misc : 130124-03,01/21/13,01/21/13,1  
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 28 10:04:33 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :

Response\_ Signal: Y5366.D\ECD1B.CH



## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
 Data File : Y5367.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 25 Jan 2013 22:29  
 Operator : JS  
 Sample : DD-43/EE-4,00627-011,S,5.51g,24.5,01/24/13,4  
 Misc : 130124-03,01/21/13,01/21/13,1  
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 28 10:05:35 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

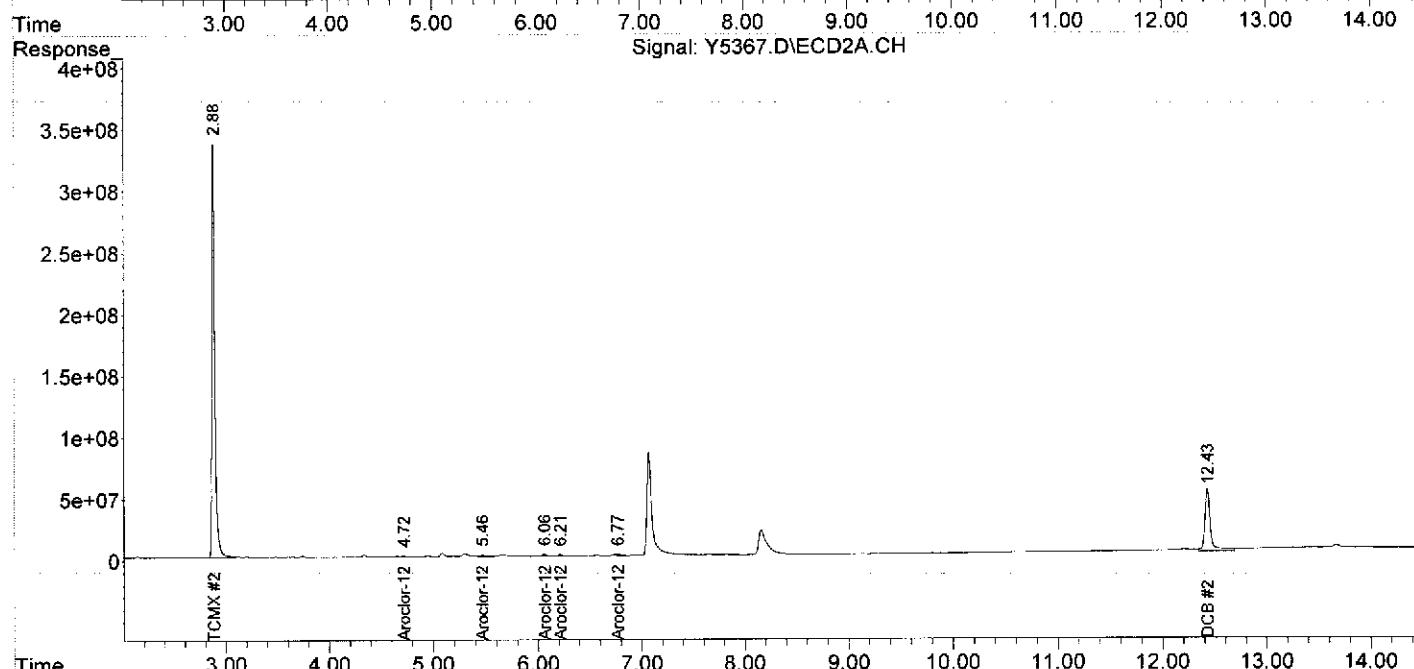
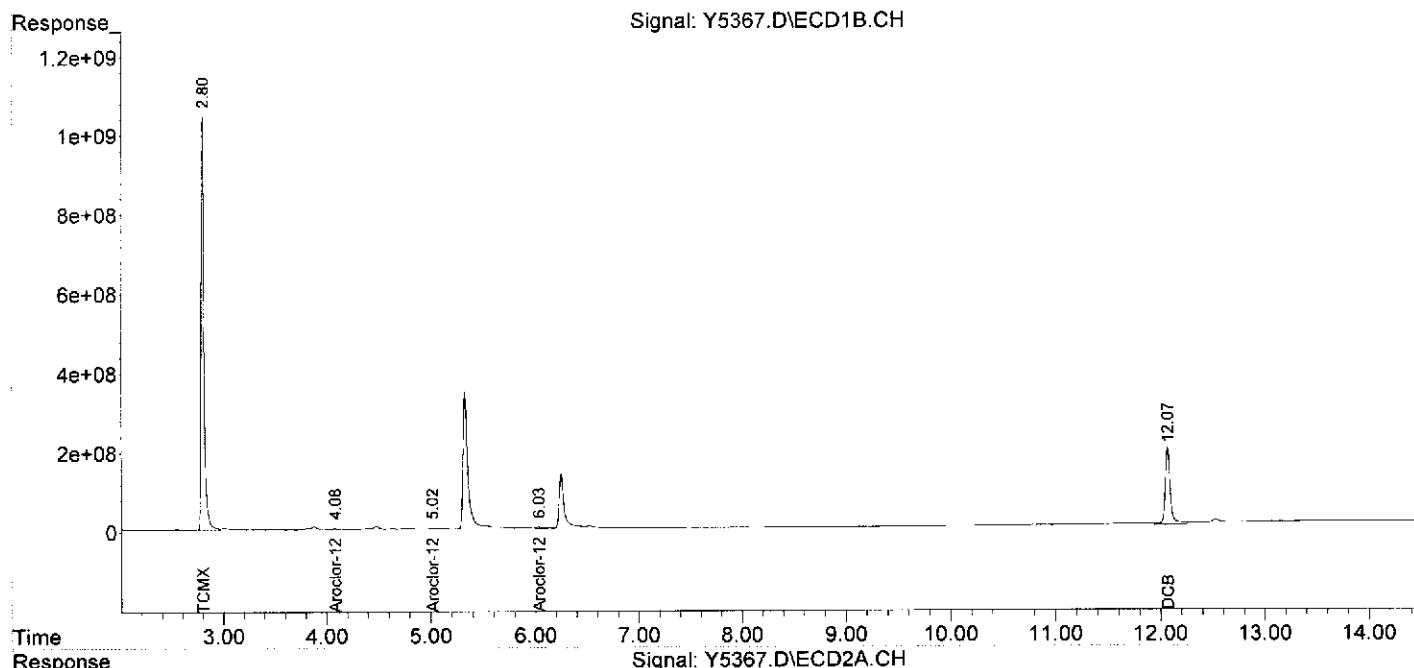
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.80	2.88	20772.1E6	6590.2E6	209.245	201.431
Spiked Amount	200.000		Recovery	=	104.62%	100.72%
2) S DCB	12.07	12.43	6662.8E6	1923.6E6	221.795	255.478
Spiked Amount	200.000		Recovery	=	110.90%	127.74%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.08	4.72	72091980	16255218	30.490	36.280
19) L5 Aroclor-1242	{2}	5.02	51077361	39718818	32.874	51.253 #
20) L5 Aroclor-1242	{3}	0.00	6.06	0 46844528	N.D. d	45.953 #
21) L5 Aroclor-1242	{4}	6.03	6.22	162.3E6	32912054	47.049
22) L5 Aroclor-1242	{5}	0.00	6.77	0 29648239	N.D. d	38.587
Sum Aroclor-1242			285.4E6	165.4E6	110.413	190.099
Average Aroclor-1242					-36.804	38.020
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
Data File : Y5367.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 25 Jan 2013 22:29  
Operator : JS  
Sample : DD-43/EE-4,00627-011,S,5.51g,24.5,01/24/13,4  
Misc : 130124-03,01/21/13,01/21/13,1  
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 28 10:05:35 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
 Data File : Y5368.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 25 Jan 2013 22:46  
 Operator : JS  
 Sample : DD-43/EE-4,00627-012,S,5.99g,20.4,01/24/13,4  
 Misc : 130124-03,01/21/13,01/21/13,1  
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 28 10:06:18 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.80	2.88	21338.2E6	6766.3E6	214.947	206.814
Spiked Amount	200.000			Recovery	= 107.47%	103.41%
2) S DCB	12.07	12.43	6190.1E6	1857.6E6	206.059	246.715
Spiked Amount	200.000			Recovery	= 103.03%	123.36%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.08	4.72	823.9E6	157.7E6	348.456	352.039
19) L5 Aroclor-1242	{2}	5.02	5.47	627.3E6	300.4E6	403.761
20) L5 Aroclor-1242	{3}	0.00	6.06	0	438.2E6	N.D. d 429.905 #
21) L5 Aroclor-1242	{4}	6.04	6.22	1322.2E6	335.5E6	383.351
22) L5 Aroclor-1242	{5}	0.00	6.77	0	542.9E6	N.D. d 330.068 #
Sum Aroclor-1242				2773.4E6	1774.7E6	1135.568
Average Aroclor-1242					378.523	1892.957
Sum Aroclor-1242					378.523	378.591
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

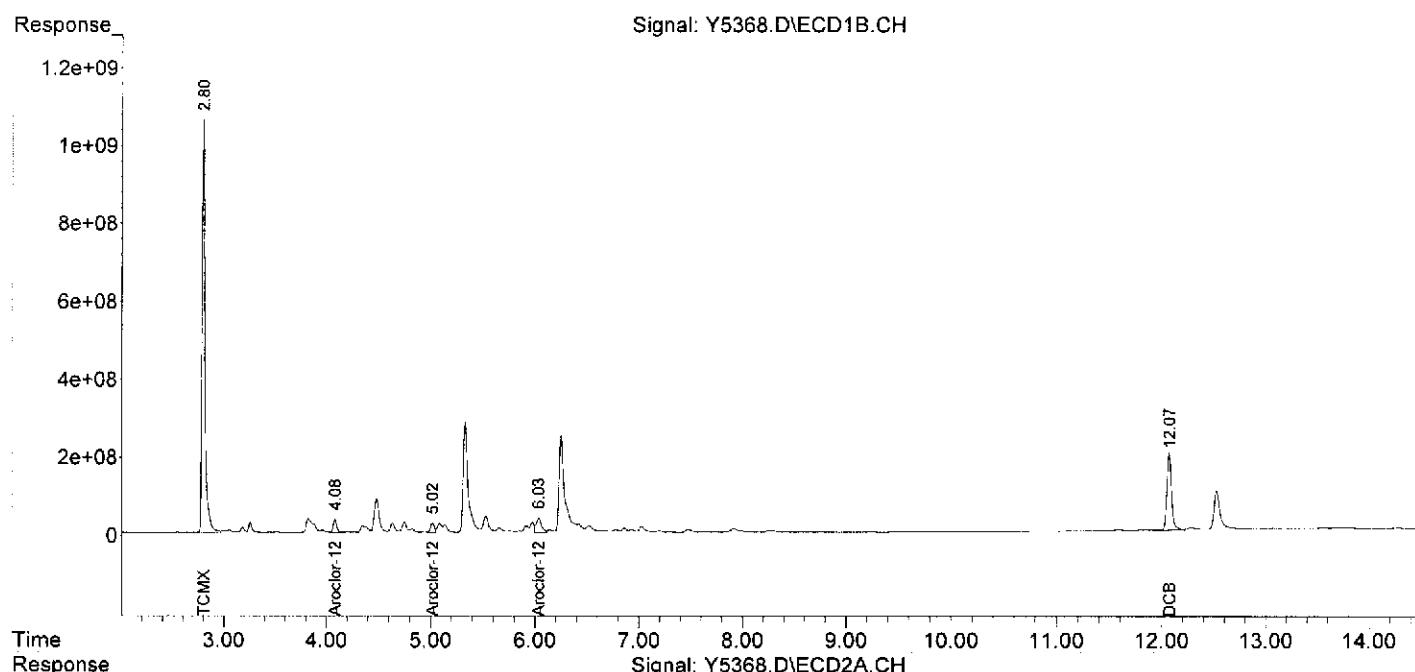
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
Data File : Y5368.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 25 Jan 2013 22:46  
Operator : JS  
Sample : DD-43/EE-4,00627-012,S,5.99g,20.4,01/24/13,4  
Misc : 130124-03,01/21/13,01/21/13,1  
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 28 10:06:18 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
 Data File : Y5369.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 25 Jan 2013 23:03  
 Operator : JS  
 Sample : FF-42\_(0-1,00627-013,S,5.96g,24.9,01/24/13,4  
 Misc : 130124-03,01/21/13,01/21/13,2  
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 28 10:07:11 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.80	2.88	8208.5E6	2912.7E6	82.687	89.028
Spiked Amount	200.000			Recovery	=	41.34% 44.51%
2) S DCB	12.07	12.42	2759.7E6	877.7E6	91.866	116.573 #
Spiked Amount	200.000			Recovery	=	45.93% 58.29%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
8) L5 Aroclor-1242	4.08	4.72	2128.8E6	370.1E6	900.355	826.139
9) L5 Aroclor-1242	{2}	5.02	5.46	1562.7E6	828.3E6	1005.746 1068.814
10) L5 Aroclor-1242	{3}	0.00	6.06	0	1257.9E6	N.D. d 1233.954 #
11) L5 Aroclor-1242	{4}	6.03	6.21	4309.2E6	963.1E6	1249.394 1129.141
12) L5 Aroclor-1242	{5}	6.30	6.75	3968.6E6	2256.8E6	1401.143 1372.073
Sum Aroclor-1242				11969.3E6	5676.2E6	4556.638 5630.121
Average Aroclor-1242					1139.160	1126.024
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

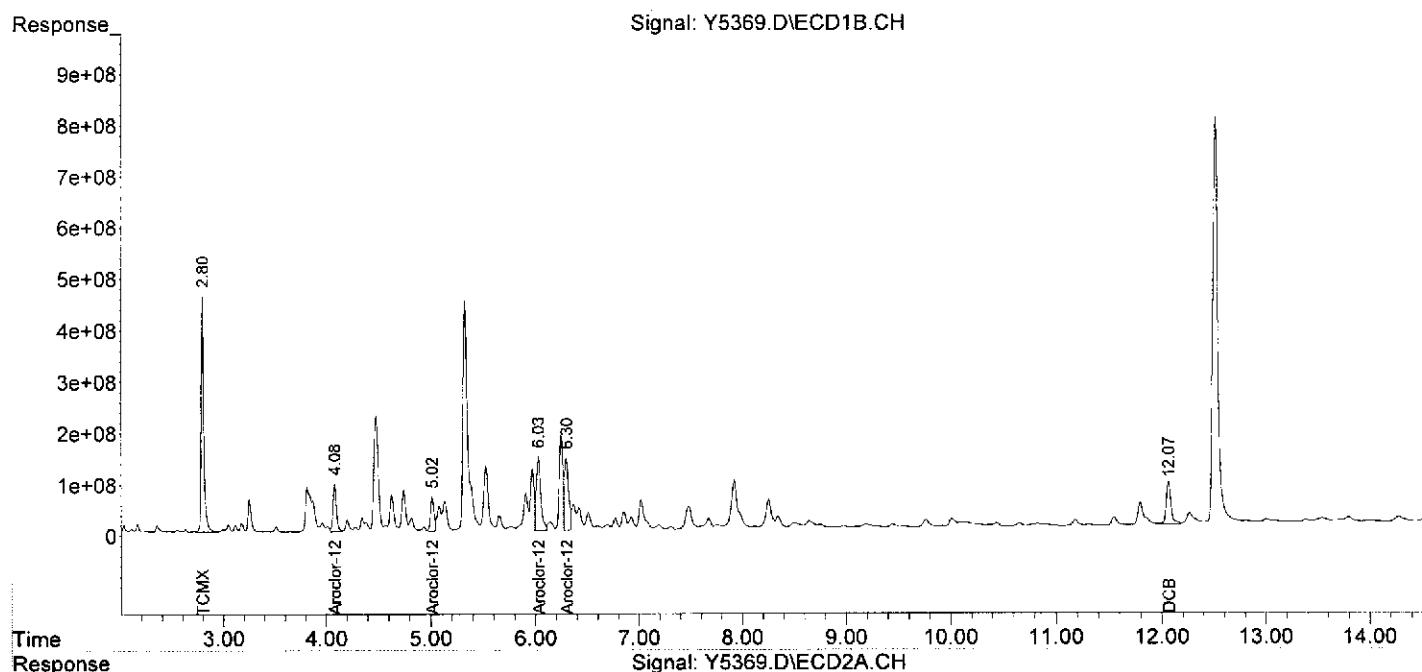
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
Data File : Y5369.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 25 Jan 2013 23:03  
Operator : JS  
Sample : FF-42\_(0-1,00627-013,S,5.96g,24.9,01/24/13,4  
Misc : 130124-03,01/21/13,01/21/13,2  
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 28 10:07:11 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-28-13\  
 Data File : Y5458.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 28 Jan 2013 19:04  
 Operator : JS  
 Sample : FF-42 (1.0,00627-014,S,5.07g,23.6,01/25/13,4  
 Misc : 130125-10,01/21/13,01/21/13,1  
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 29 13:16:44 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

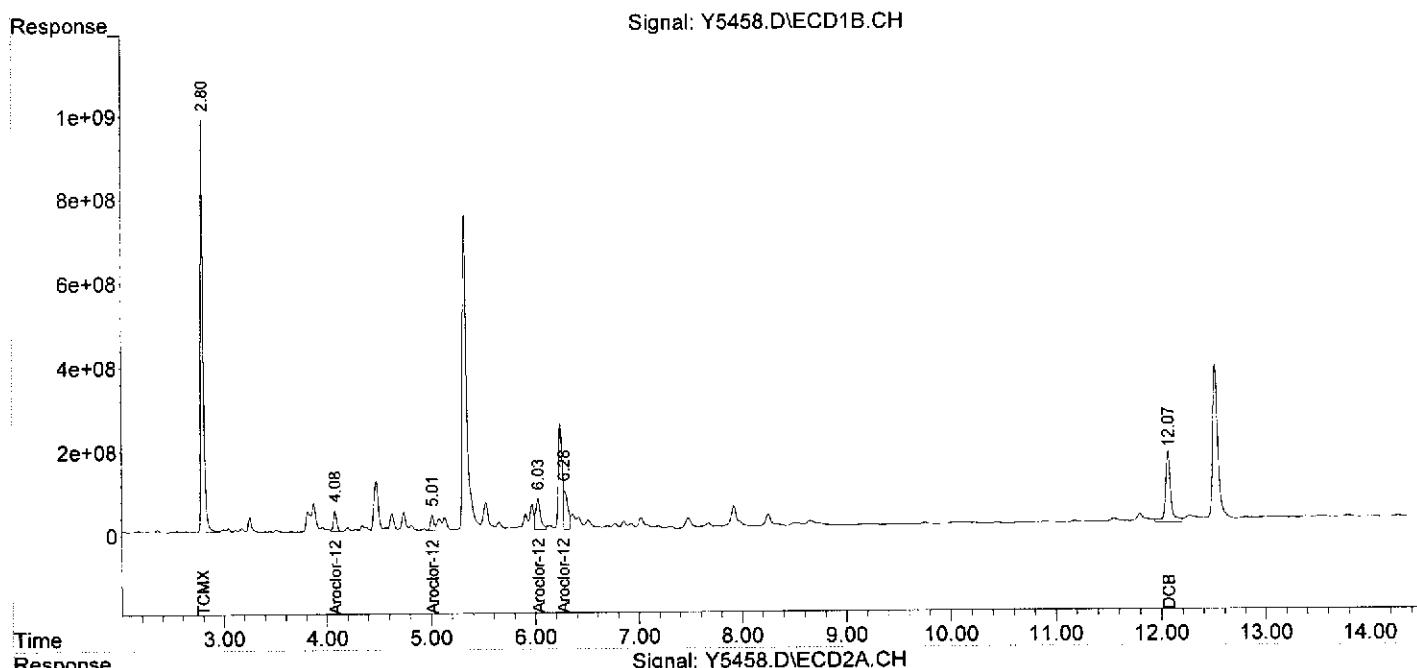
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.80	2.88	17468.7E6	5632.5E6	175.969	172.160
Spiked Amount	200.000		Recovery	=	87.98%	86.08%
2) S DCB	12.07	12.42	5878.2E6	1367.8E6	195.677	181.661m
Spiked Amount	200.000		Recovery	=	97.84%	90.83%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.08	4.71	1114.8E6	186.7E6	471.484	416.627
19) L5 Aroclor-1242	{2}	5.01	5.46	864.7E6	420.3E6	556.527
20) L5 Aroclor-1242	{3}	0.00	6.06	0	584.4E6	N.D. d 573.301 #
21) L5 Aroclor-1242	{4}	6.03	6.21	2283.1E6	437.9E6	661.952
22) L5 Aroclor-1242	{5}	6.28	6.76	2452.6E6	1005.5E6	865.909m
Sum Aroclor-1242				6715.2E6	2634.9E6	2555.872
Average Aroclor-1242					638.968	531.429
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-28-13\  
 Data File : Y5458.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 28 Jan 2013 19:04  
 Operator : JS  
 Sample : FF-42\_(1.0,00627-014,S,5.07g,23.6,01/25/13,4  
 Misc : 130125-10,01/21/13,01/21/13,1  
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 29 13:16:44 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-28-13\  
 Data File : Y5459.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 28 Jan 2013 19:21  
 Operator : JS  
 Sample : FF-42\_(2.0,00627-015,S,5.01g,23.7,01/25/13,4  
 Misc : 130125-10,01/21/13,01/21/13,1  
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 29 13:17:39 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.80	2.88	18480.3E6	5808.2E6	186.159	177.529
Spiked Amount	200.000			Recovery	= 93.08%	88.76%
2) S DCB	12.07	12.42	6065.3E6	1578.0E6	201.905	209.582
Spiked Amount	200.000			Recovery	= 100.95%	104.79%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
8) L5 Aroclor-1242	4.08	4.71	967.6E6	161.3E6	409.223	359.938
9) L5 Aroclor-1242	{2}	5.02	5.46	747.8E6	360.5E6	481.323
10) L5 Aroclor-1242	{3}	0.00	6.06	0	480.4E6	N.D. d 471.239 #
11) L5 Aroclor-1242	{4}	6.03	6.21	1982.8E6	365.7E6	574.881
12) L5 Aroclor-1242	{5}	6.28	6.76	1703.6E6	824.4E6	601.465m
Sum Aroclor-1242				5401.8E6	2192.2E6	2066.891
Average Aroclor-1242					516.723	2226.286
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

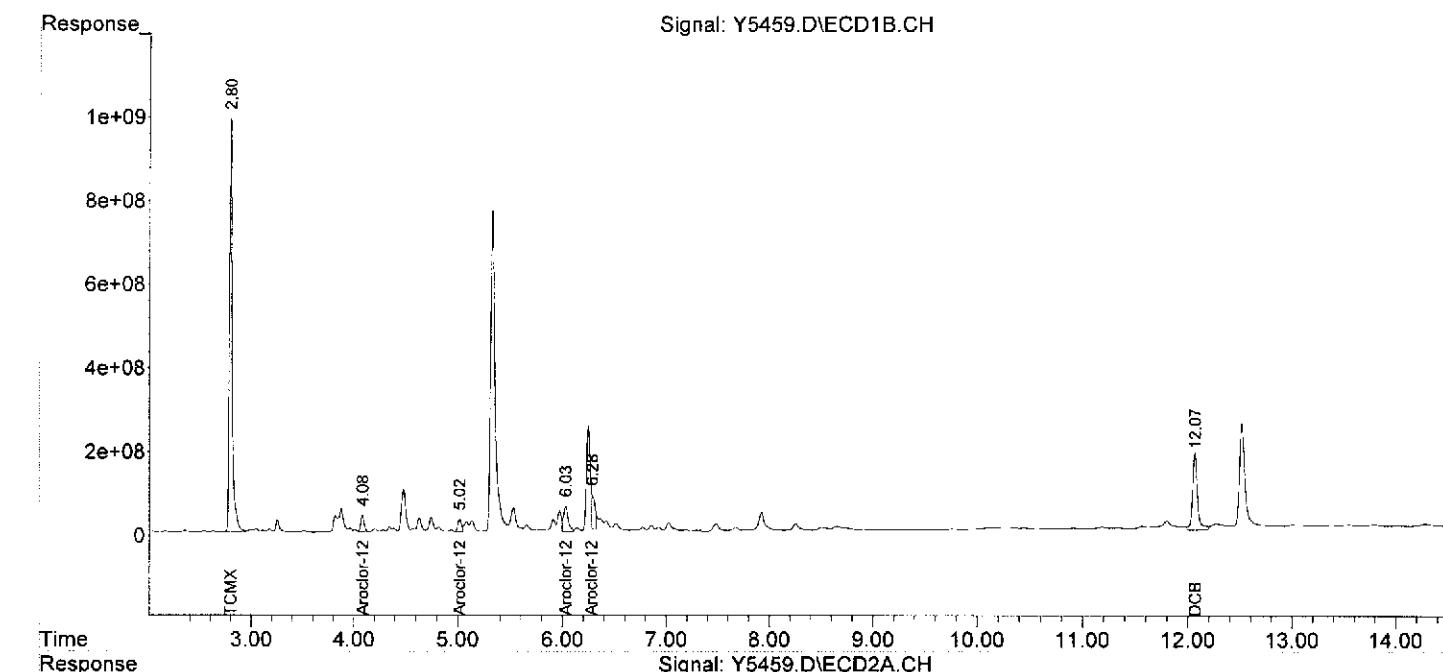
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-28-13\  
Data File : Y5459.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 28 Jan 2013 19:21  
Operator : JS  
Sample : FF-42\_(2.0,00627-015,S,5.01g,23.7,01/25/13,4  
Misc : 130125-10,01/21/13,01/21/13,1  
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 29 13:17:39 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-28-13\  
 Data File : Y5460.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 28 Jan 2013 19:38  
 Operator : JS  
 Sample : FF-42\_(3.0,00627-016,S,5.47g,19.7,01/25/13,4  
 Misc : 130125-10,01/21/13,01/21/13,1  
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 29 13:19:08 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.80	2.88	24464.6E6	7125.7E6	246.441	217.798
Spiked Amount	200.000			Recovery	= 123.22%	108.90%
2) S DCB	12.07	12.42	7719.5E6	1820.5E6	256.969	241.781m
Spiked Amount	200.000			Recovery	= 128.48%	120.89%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.08	4.72	28529490	7360568	12.066	16.428 #
19) L5 Aroclor-1242	{2}	5.01	28837153	20759722	18.560	26.788 #
20) L5 Aroclor-1242	{3}	0.00	6.06	0 21392174	N.D. d	20.985 #
21) L5 Aroclor-1242	{4}	6.03	6.21	78232745	15892904	22.683
22) L5 Aroclor-1242	{5}	6.29	6.75	56006366	33531800	18.633
Sum Aroclor-1242				191.6E6	98937168	20.386
Average Aroclor-1242					73.082	103.221
					18.271	20.644
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

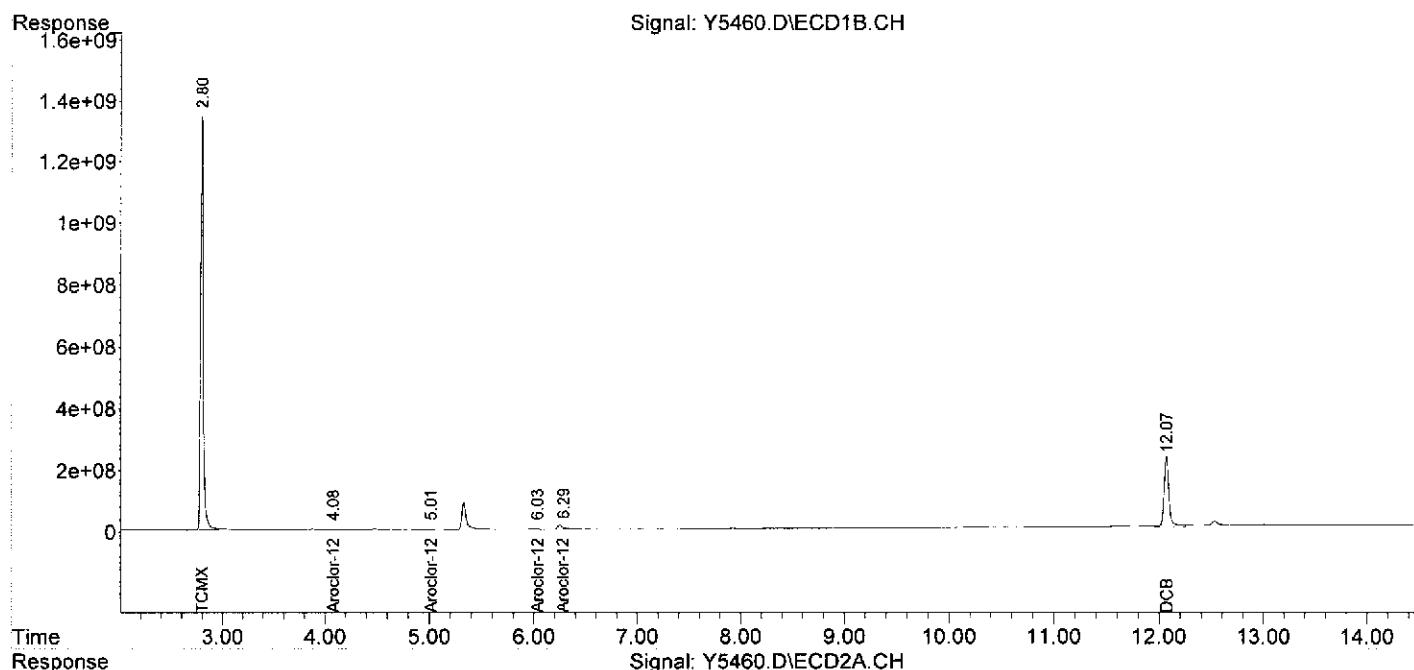
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-28-13\  
Data File : Y5460.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 28 Jan 2013 19:38  
Operator : JS  
Sample : FF-42\_(3.0,00627-016,S,5.47g,19.7,01/25/13,4  
Misc : 130125-10,01/21/13,01/21/13,1  
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 29 13:19:08 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-28-13\  
 Data File : Y5461.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 28 Jan 2013 19:55  
 Operator : JS  
 Sample : FF-41\_(0-1,00627-017,S,5.32g,87.6,01/25/13,4  
 Misc : 130125-10,01/21/13,01/21/13,1  
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 29 13:20:45 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.80	2.88	25691.9E6	8007.4E6	258.804	244.749
Spiked Amount	200.000			Recovery	= 129.40%	122.37%
2) S DCB	12.07	12.42	8360.6E6	1977.4E6	278.312	262.626m
Spiked Amount	200.000			Recovery	= 139.16%	131.31%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.49	5.08	335.2E6	53742968	70.989	39.017 #
24) L6 Aroclor-1248	{2}	5.01	5.66	171.8E6	193.7E6	61.979
25) L6 Aroclor-1248	{3}	0.00	6.06	0	129.1E6	N.D. d
26) L6 Aroclor-1248	{4}	6.03	6.21	384.5E6	74071978	64.761
27) L6 Aroclor-1248	{5}	0.00	6.56	0	45020017	N.D. d
Sum Aroclor-1248				891.5E6	495.6E6	197.728
Average Aroclor-1248						334.112
						65.909
						66.822
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

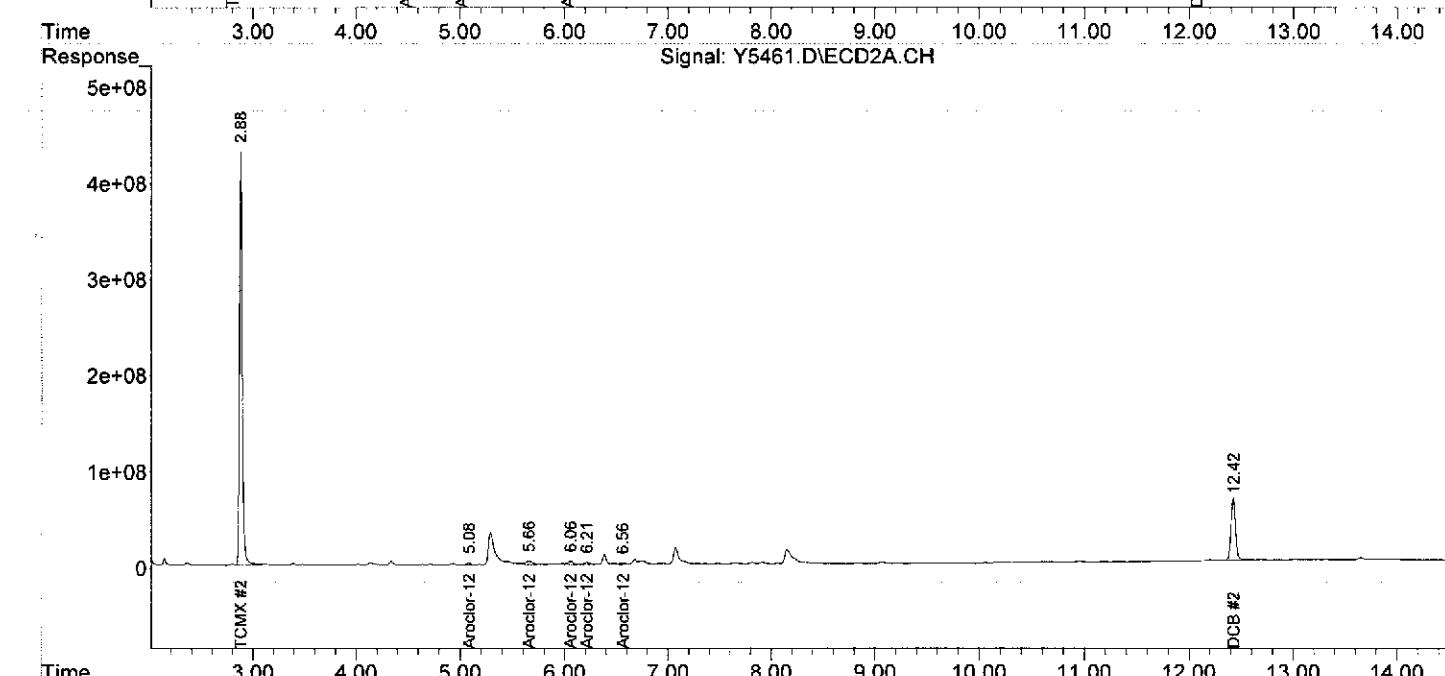
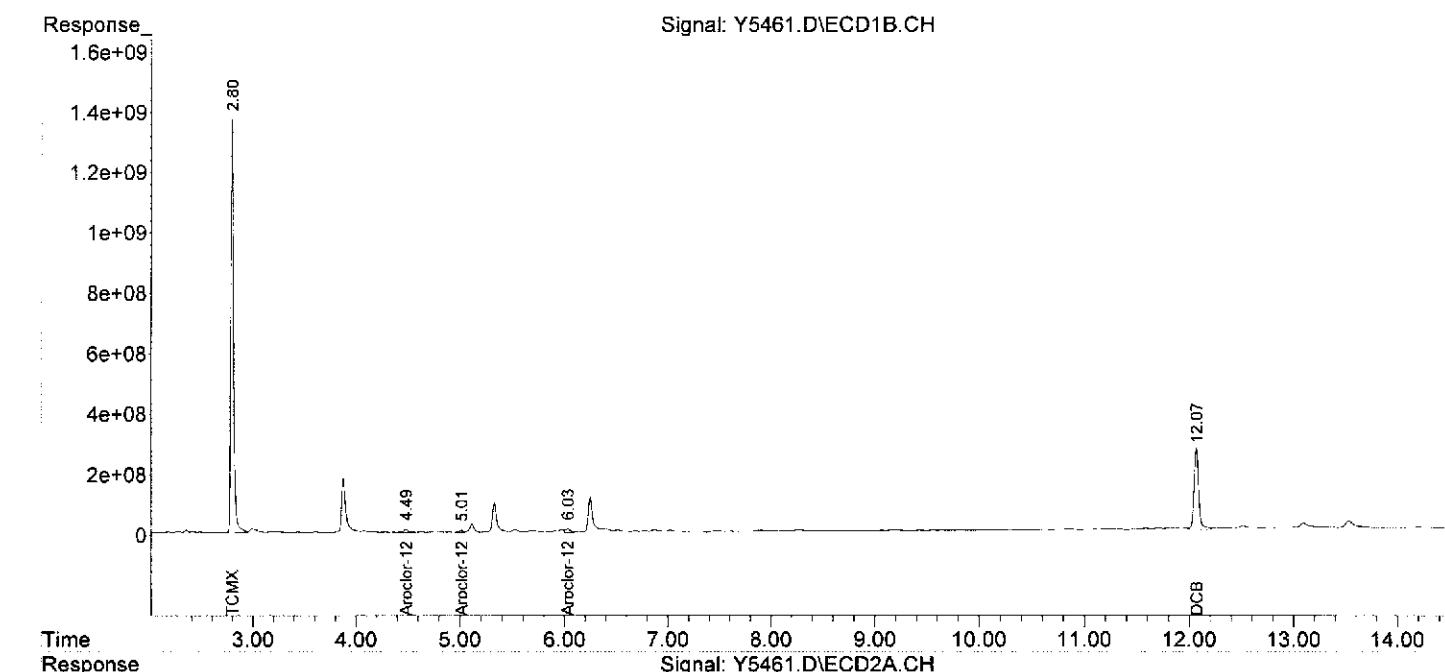
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-28-13\  
Data File : Y5461.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 28 Jan 2013 19:55  
Operator : JS  
Sample : FF-41\_(0-1,00627-017,S,5.32g,87.6,01/25/13,4  
Misc : 130125-10,01/21/13,01/21/13,1  
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 29 13:20:45 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-28-13\  
 Data File : Y5462.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 28 Jan 2013 20:12  
 Operator : JS  
 Sample : FF-41\_(1.0,00627-018,S,5.23g,87.3,01/25/13,4  
 Misc : 130125-10,01/21/13,01/21/13,1  
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 29 11:57:38 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :		Signal #1 Phase :	Signal #2 Phase:
Signal #1 Info :		Signal #2 Info :	

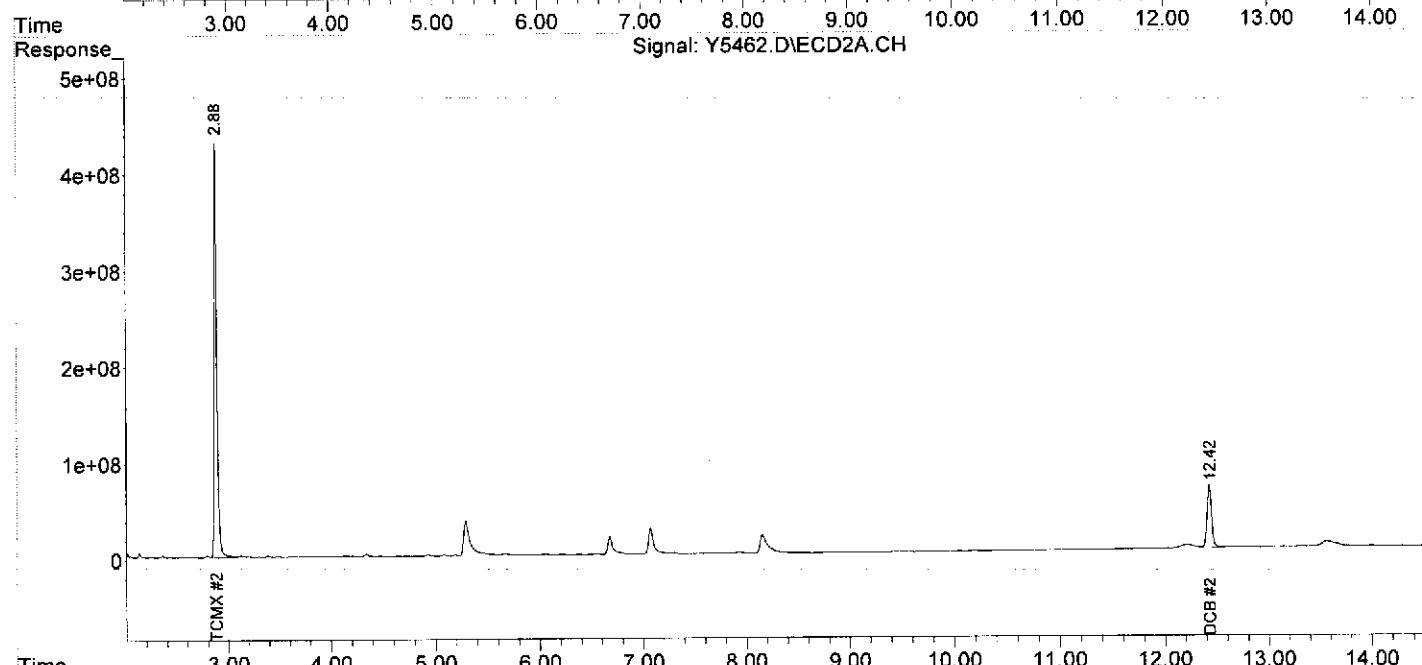
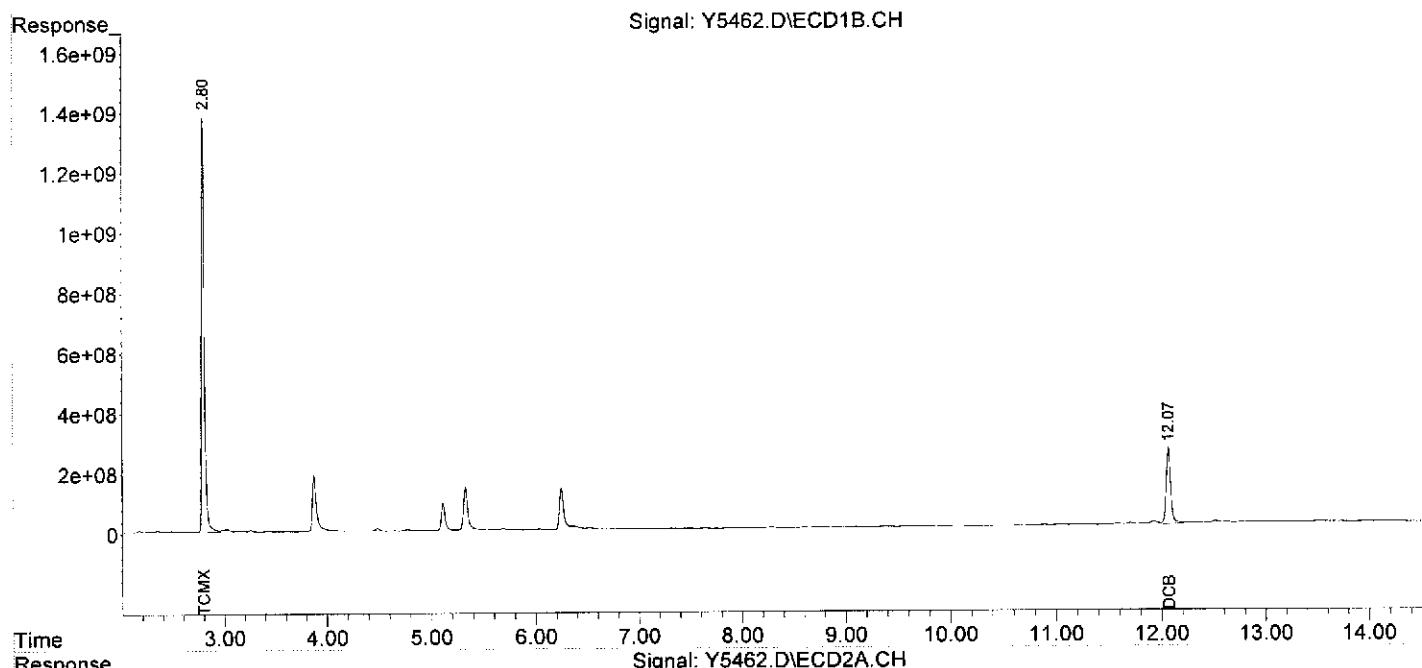
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.80	2.88	25897.0E6	7988.5E6	260.869	244.170
Spiked Amount	200.000			Recovery	= 130.43%	122.08%
2) S DCB	12.07	12.42	7662.2E6	2009.0E6	255.063	266.815m
Spiked Amount	200.000			Recovery	= 127.53%	133.41%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-28-13\  
Data File : Y5462.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 28 Jan 2013 20:12  
Operator : JS  
Sample : FF-41\_(1.0,00627-018,S,5.23g,87.3,01/25/13,4  
Misc : 130125-10,01/21/13,01/21/13,1  
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 29 11:57:38 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-28-13\  
 Data File : Y5463.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 28 Jan 2013 20:29  
 Operator : JS  
 Sample : FF-41\_(2.0,00627-019,S,5.49g,31.2,01/25/13,4  
 Misc : 130125-10,01/21/13,01/21/13,1  
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 29 11:57:58 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.80	2.88	21595.5E6	6293.3E6	217.539	192.355
Spiked Amount	200.000			Recovery	= 108.77%	96.18%
2) S DCB	12.07	12.42	6239.9E6	1784.8E6	207.715	237.036
Spiked Amount	200.000			Recovery	= 103.86%	118.52%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

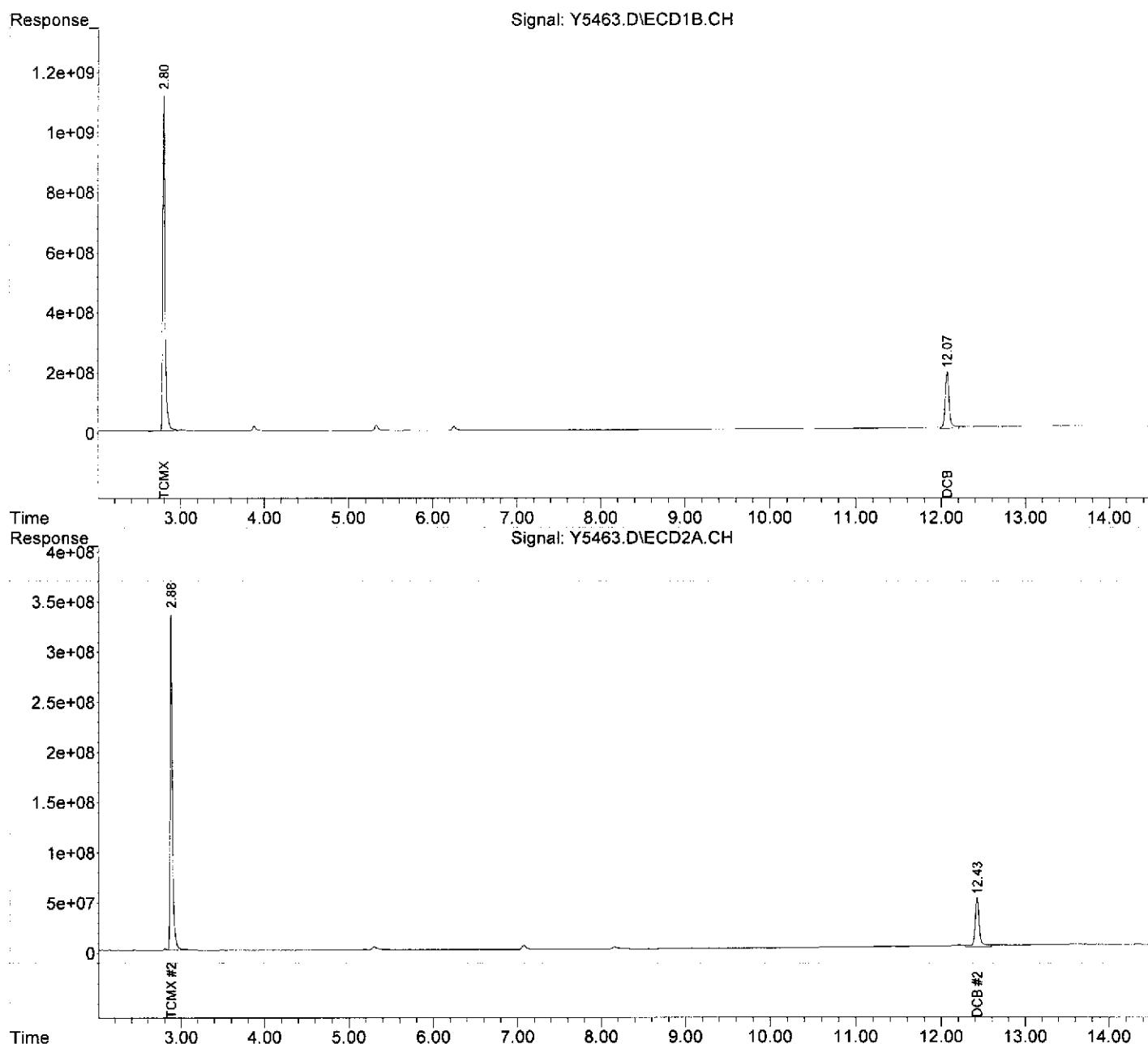
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-28-13\  
Data File : Y5463.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 28 Jan 2013 20:29  
Operator : JS  
Sample : FF-41\_(2.0,00627-019,S,5.49g,31.2,01/25/13,4  
Misc : 130125-10,01/21/13,01/21/13,1  
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 29 11:57:58 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-28-13\  
 Data File : Y5464.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 28 Jan 2013 20:47  
 Operator : JS  
 Sample : FF-41\_(3.0,00627-020,S,5.34g,24.4,01/25/13,4  
 Misc : 130125-10,01/21/13,01/21/13,1  
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 29 11:58:20 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

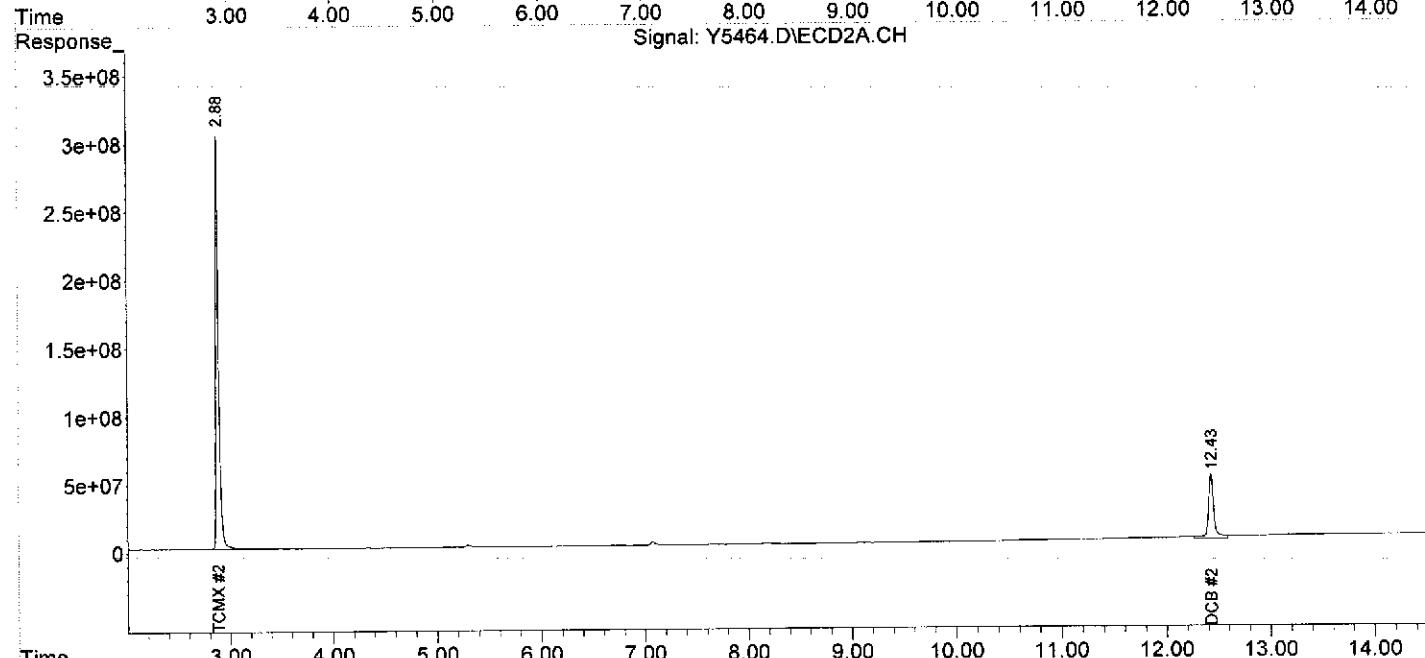
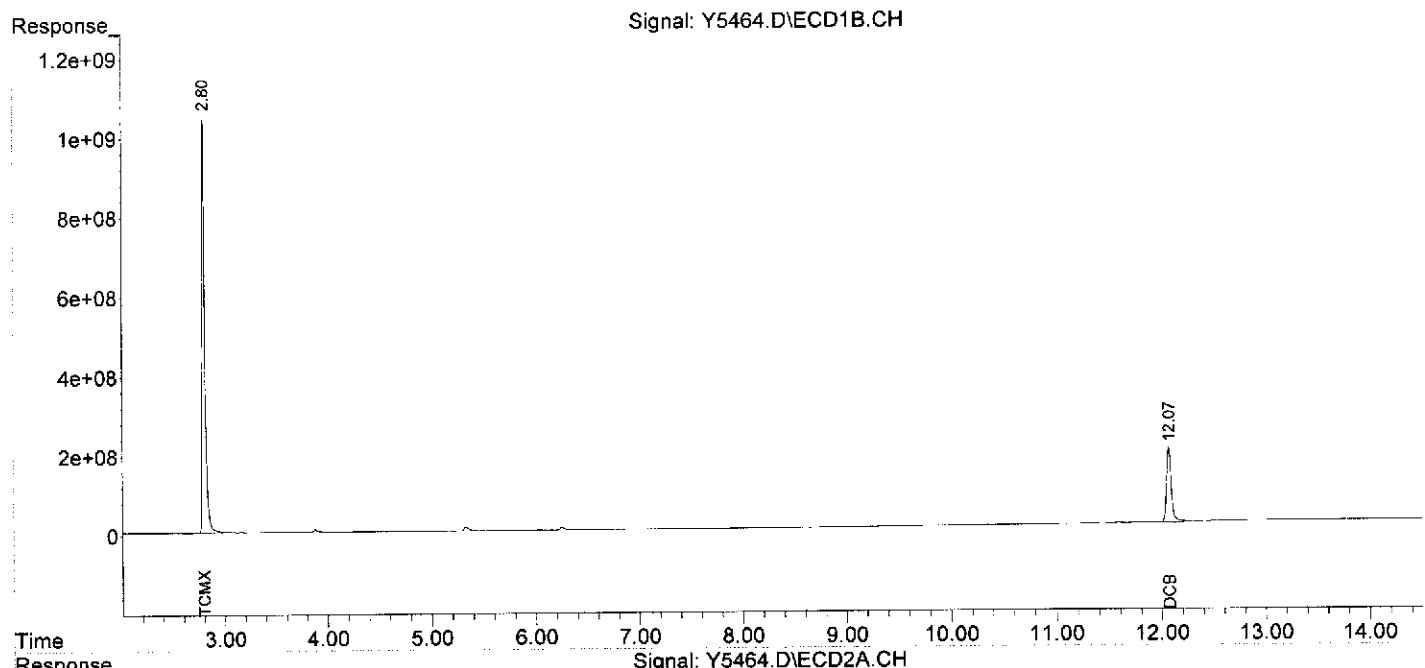
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.80	2.88	20968.2E6	6035.0E6	211.220	184.462
Spiked Amount	200.000			Recovery	= 105.61%	92.23%
2) S DCB	12.07	12.42	6021.7E6	1767.0E6	200.452	234.679
Spiked Amount	200.000			Recovery	= 100.23%	117.34%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-28-13\  
Data File : Y5464.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 28 Jan 2013 20:47  
Operator : JS  
Sample : FF-41\_(3.0,00627-020,S,5.34g,24.4,01/25/13,4  
Misc : 130125-10,01/21/13,01/21/13,1  
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 29 11:58:20 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-29-13\  
 Data File : Y5474.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 29 Jan 2013 9:50  
 Operator : JS  
 Sample : FF-40\_(0-1,00627-021,S,5.30g,82.2,01/25/13,4  
 Misc : 130125-10,01/21/13,01/21/13,5  
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 29 12:06:05 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

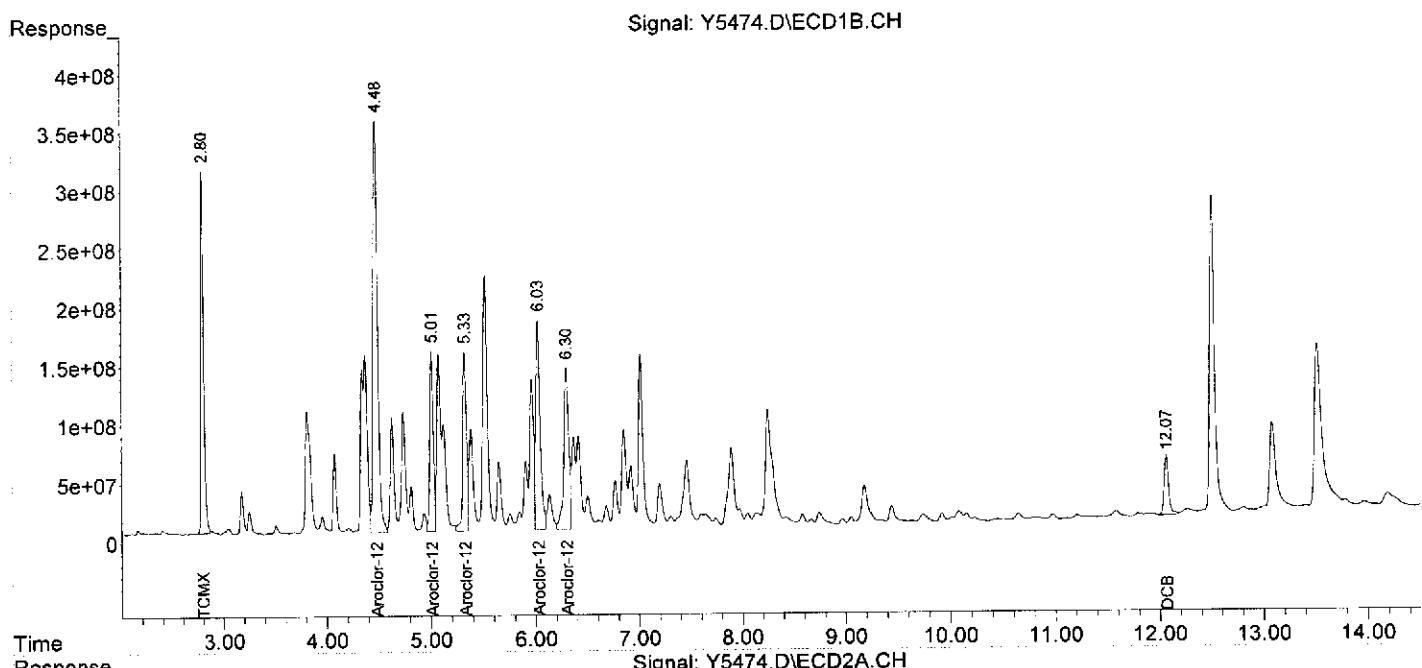
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.80	2.88	5935.2E6	1731.6E6	59.788m	52.925
Spiked Amount	200.000		Recovery	=	29.89%	26.46%
2) S DCB	12.07	12.42	1576.1E6	449.5E6	52.466	59.697m
Spiked Amount	200.000		Recovery	=	26.23%	29.85%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.48	5.08	11039.1E6	2745.5E6	2337.890	1993.193m
24) L6 Aroclor-1248	{2}	5.01	5.66	3627.0E6	2969.9E6	1308.471
25) L6 Aroclor-1248	{3}	5.33	6.06	3989.0E6	2421.4E6	1222.624
26) L6 Aroclor-1248	{4}	6.03	6.21	5251.7E6	1765.4E6	884.511
27) L6 Aroclor-1248	{5}	6.30	6.57	4571.2E6	548.3E6	1082.539
Sum Aroclor-1248				28478.0E6	10450.5E6	6836.034
Average Aroclor-1248					7102.785	1367.207
Sum Aroclor-1248						1420.557
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-29-13\  
 Data File : Y5474.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 29 Jan 2013 9:50  
 Operator : JS  
 Sample : FF-40\_ (0-1,00627-021,S,5.30g,82.2,01/25/13,4  
 Misc : 130125-10,01/21/13,01/21/13,5  
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 29 12:06:05 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-28-13\  
 Data File : Y5466.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 28 Jan 2013 21:21  
 Operator : JS  
 Sample : FF-40\_(1.0,00627-022,S,5.44g,88.3,01/25/13,4  
 Misc : 130125-10,01/21/13,01/21/13,1  
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 29 13:21:45 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

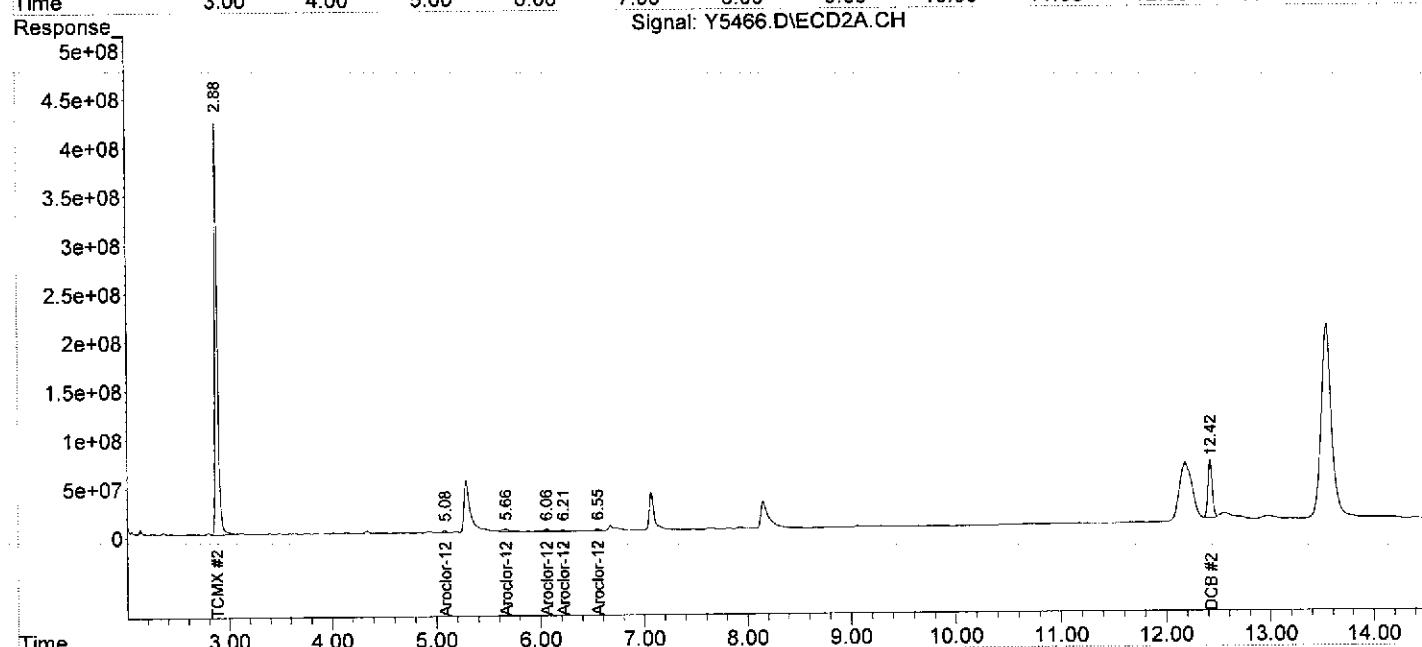
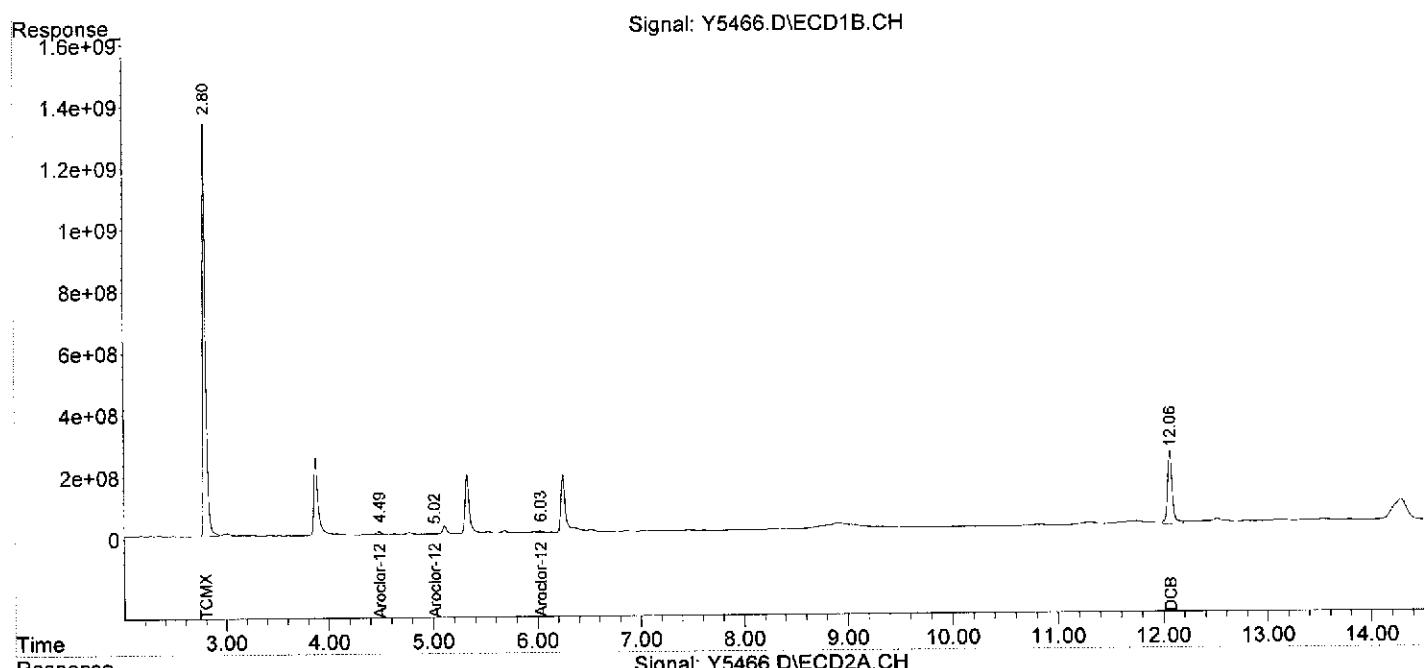
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.80	2.88	25332.8E6	7988.7E6	255.186	244.177
Spiked Amount	200.000			Recovery	= 127.59%	122.09%
2) S DCB	12.07	12.42	7544.2E6	1700.0E6	251.134	225.777m
Spiked Amount	200.000			Recovery	= 125.57%	112.89%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.49	5.08	319.9E6	52222547	67.755	37.913 #
24) L6 Aroclor-1248	{2}	5.02	5.66	76977652	110.6E6	27.770
25) L6 Aroclor-1248	{3}	0.00	6.06		66580352	N.D. d
26) L6 Aroclor-1248	{4}	6.03	6.21	160.0E6	45158854	26.948
27) L6 Aroclor-1248	{5}	0.00	6.55		60167835	N.D. d
Sum Aroclor-1248				556.9E6	334.8E6	251.432
Average Aroclor-1248						40.824
						50.286
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-28-13\  
 Data File : Y5466.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 28 Jan 2013 21:21  
 Operator : JS  
 Sample : FF-40\_(1.0,00627-022,S,5.44g,88.3,01/25/13,4  
 Misc : 130125-10,01/21/13,01/21/13,1  
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 29 13:21:45 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-29-13\  
 Data File : R7095.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 29 Jan 2013 23:38  
 Operator : JS  
 Sample : FF-40\_(2.0,00627-023,S,5.39g,67.4,01/28/13,4  
 Misc : 130128-03,01/21/13,01/21/13,1  
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 30 16:07:22 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M  
 Quant Title :  
 QLast Update : Tue Jan 29 15:58:03 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>							
	System Monitoring Compounds						
1) S	TCMX	3.39	3.34	61166.2E6	77687.3E6	240.815	233.811
	Spiked Amount	200.000			Recovery	= 120.41%	116.91%
2) S	DCB	12.99	13.06	11854.3E6	15442.7E6	275.185	294.796m
	Spiked Amount	200.000			Recovery	= 137.59%	147.40%
<hr/>							
Target Compounds							
	Sum Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
	Sum Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
	Sum Aroclor-1242			0	0	N.D.	N.D.
Average	Aroclor-1242					0.000	0.000
	Sum Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
	Sum Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000
	Sum Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000
	Sum Aroclor-1262			0	0	N.D.	N.D.
Average	Aroclor-1262					0.000	0.000
	Sum Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000
<hr/>							

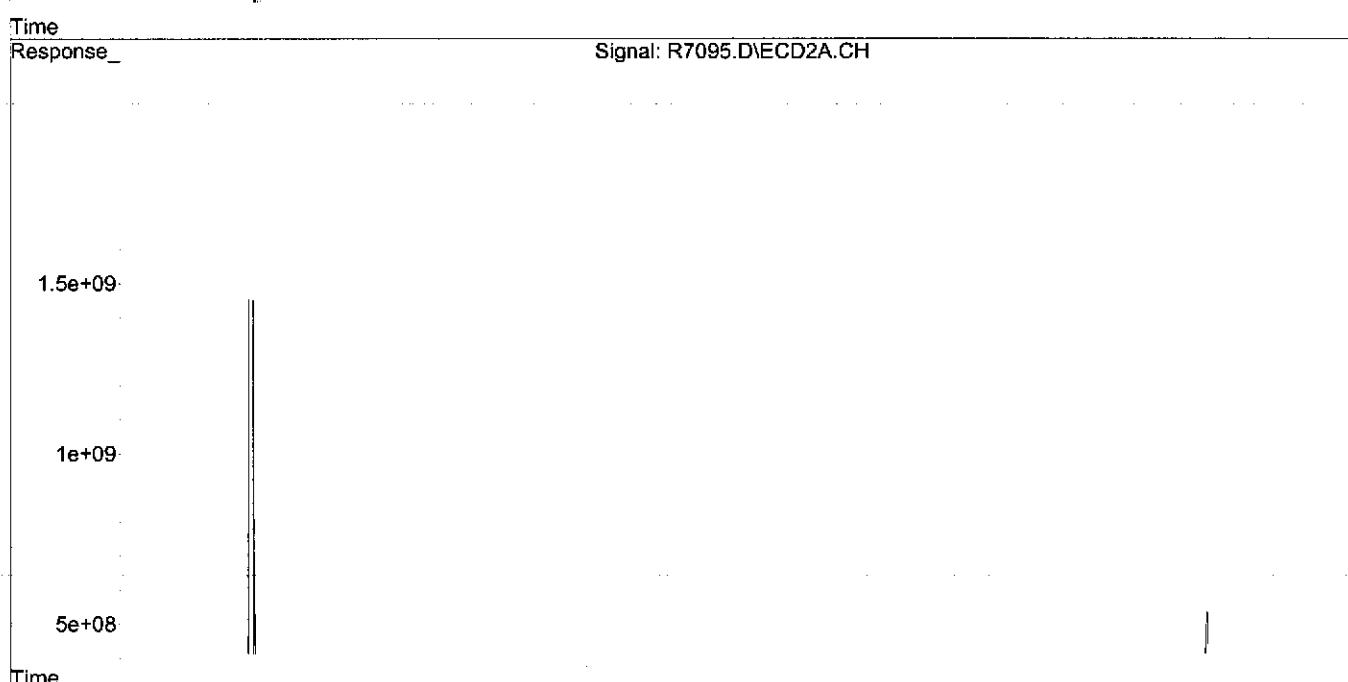
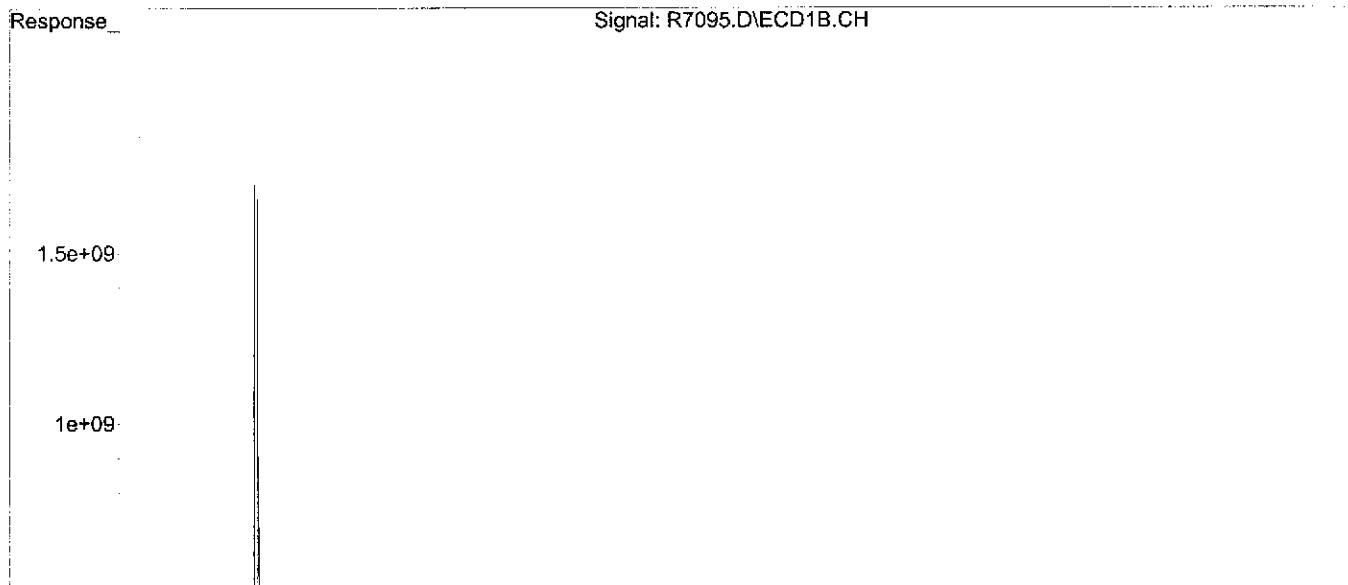
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

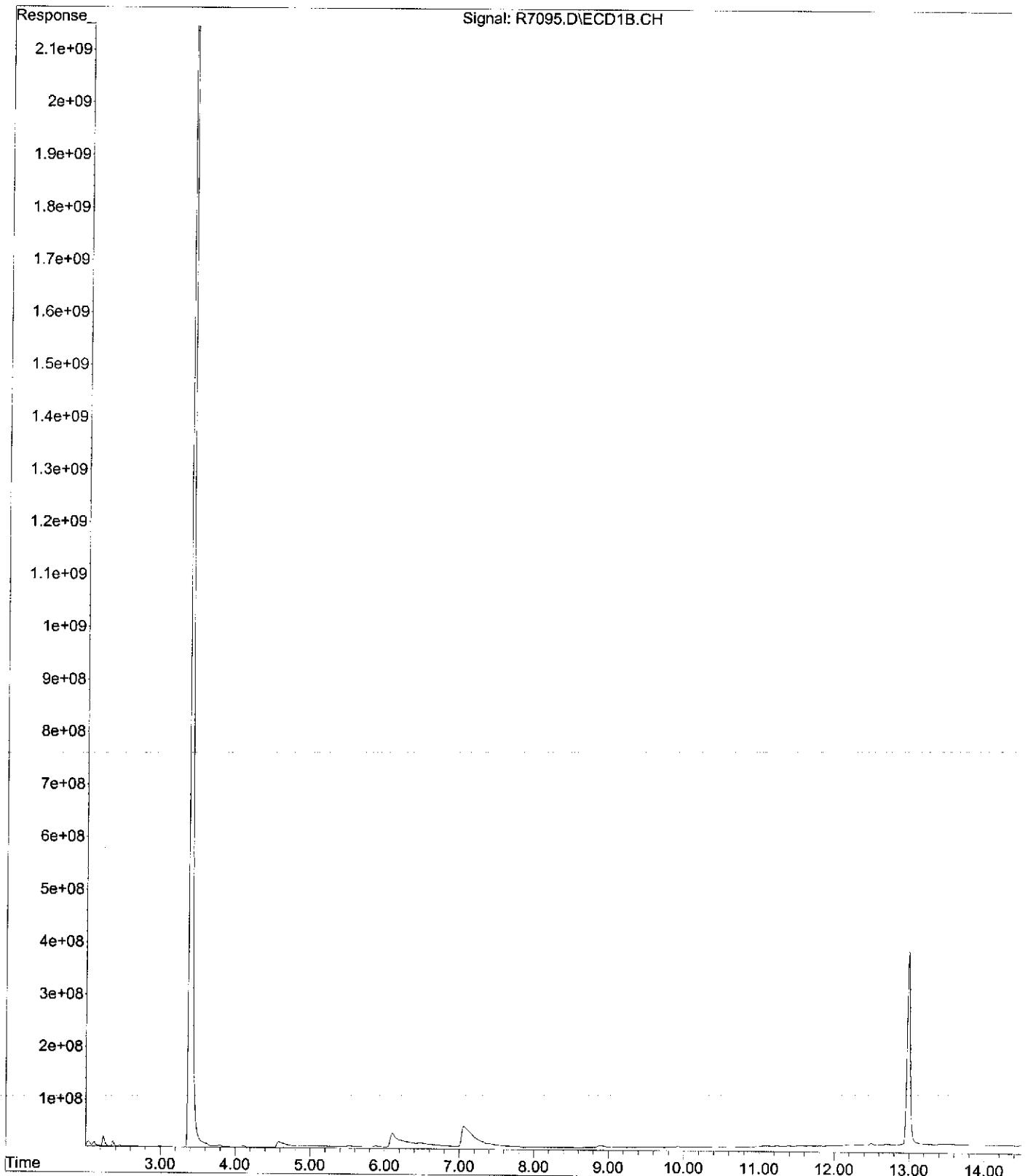
Data Path : C:\MSDCHEM\1\DATA\01-29-13\  
Data File : R7095.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 29 Jan 2013 23:38  
Operator : JS  
Sample : FF-40\_(2.0,00627-023,S,5.39g,67.4,01/28/13,4  
Misc : 130128-03,01/21/13,01/21/13,1  
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 30 16:07:22 2013  
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M  
Quant Title :  
QLast Update : Tue Jan 29 15:58:03 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

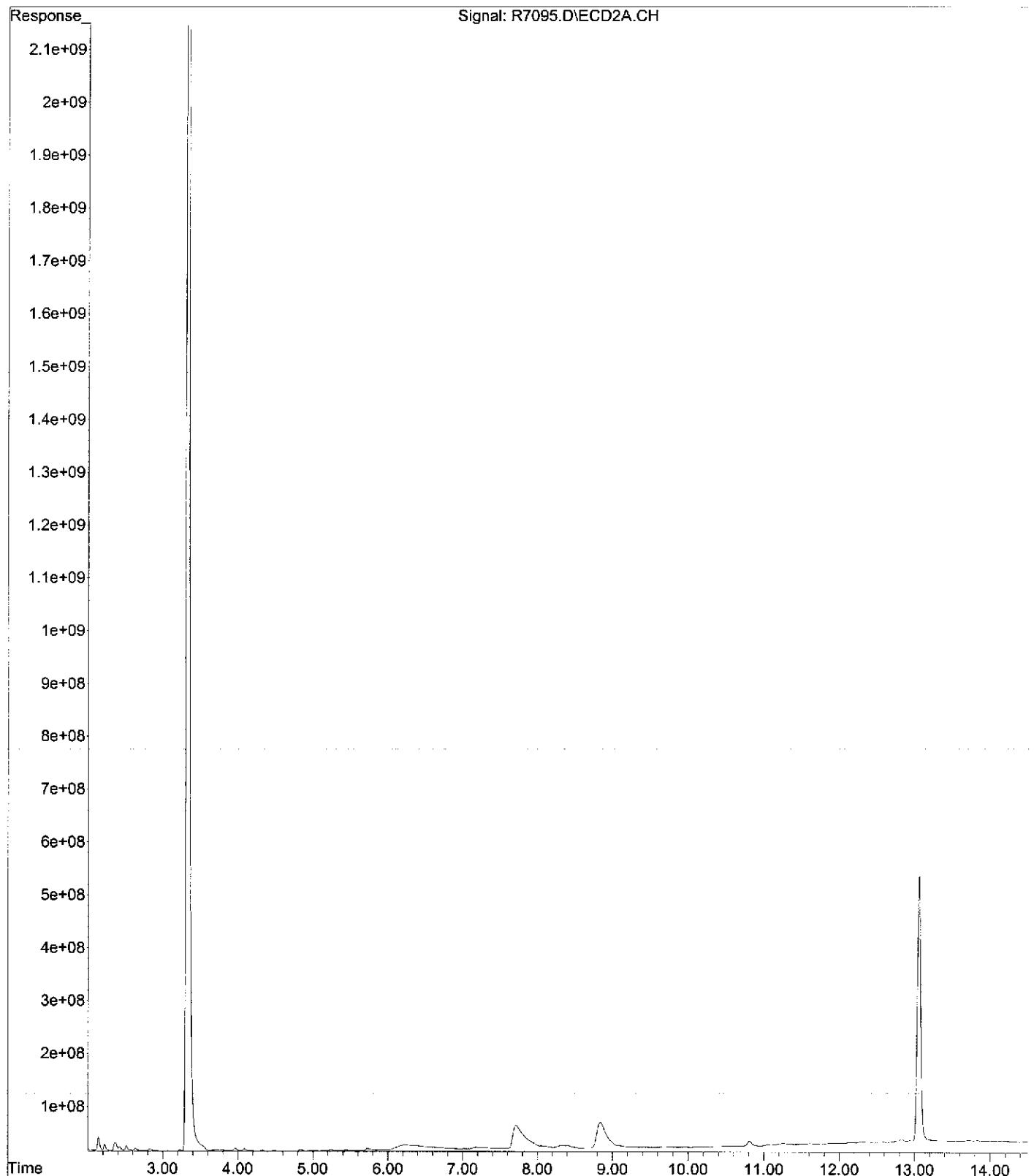
Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7095.D  
Operator : JS  
Acquired : 29 Jan 2013 23:38 using AcqMethod RPCB0129.M  
Instrument : GC\_R  
Sample Name: FF-40\_(2.0,00627-023,S,5.39g,67.4,01/28/13,4  
Misc Info : 130128-03,01/21/13,01/21/13,1  
Vial Number: 24



File : C:\MSDCHEM\1\DATA\01-29-13\R7095.D  
Operator : JS  
Acquired : 29 Jan 2013 23:38 using AcqMethod RPCB0129.M  
Instrument : GC\_R  
Sample Name: FF-40 (2.0,00627-023,S,5.39g,67.4,01/28/13,4  
Misc Info : 130128-03,01/21/13,01/21/13,1  
Vial Number: 24



## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-29-13\  
 Data File : R7096.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 29 Jan 2013 23:55  
 Operator : JS  
 Sample : FF-40\_(3.0,00627-024,S,5.44g,25.4,01/28/13,4  
 Misc : 130128-03,01/21/13,01/21/13,1  
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 30 16:07:40 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M  
 Quant Title :  
 QLast Update : Tue Jan 29 15:58:03 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	3.39	3.33	55865.8E6	72580.8E6	219.947	218.443
Spiked Amount	200.000			Recovery	= 109.97%	109.22%
2) S DCB	12.99	13.05	8935.8E6	12292.4E6	207.436	234.659m
Spiked Amount	200.000			Recovery	= 103.72%	117.33%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

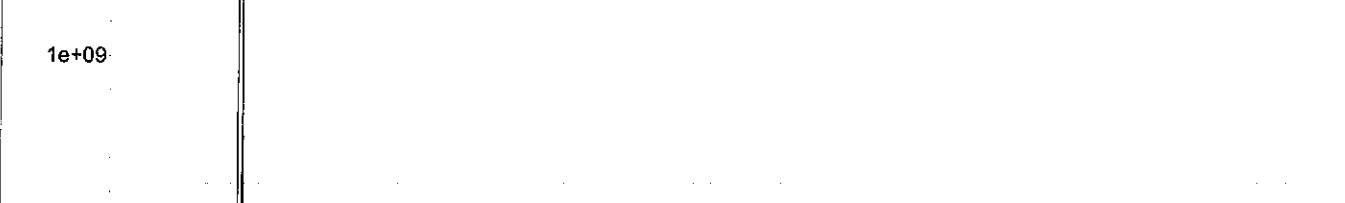
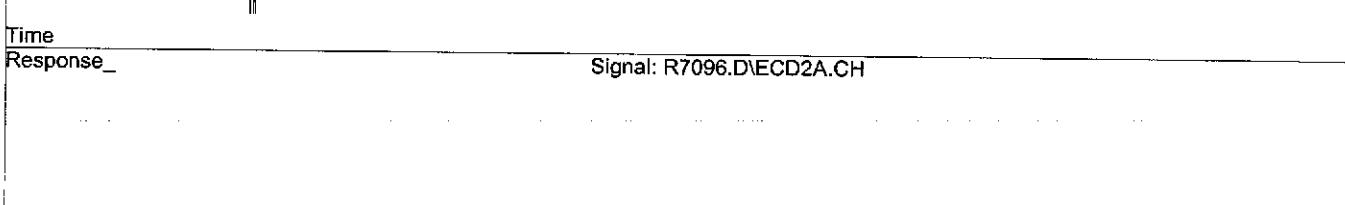
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

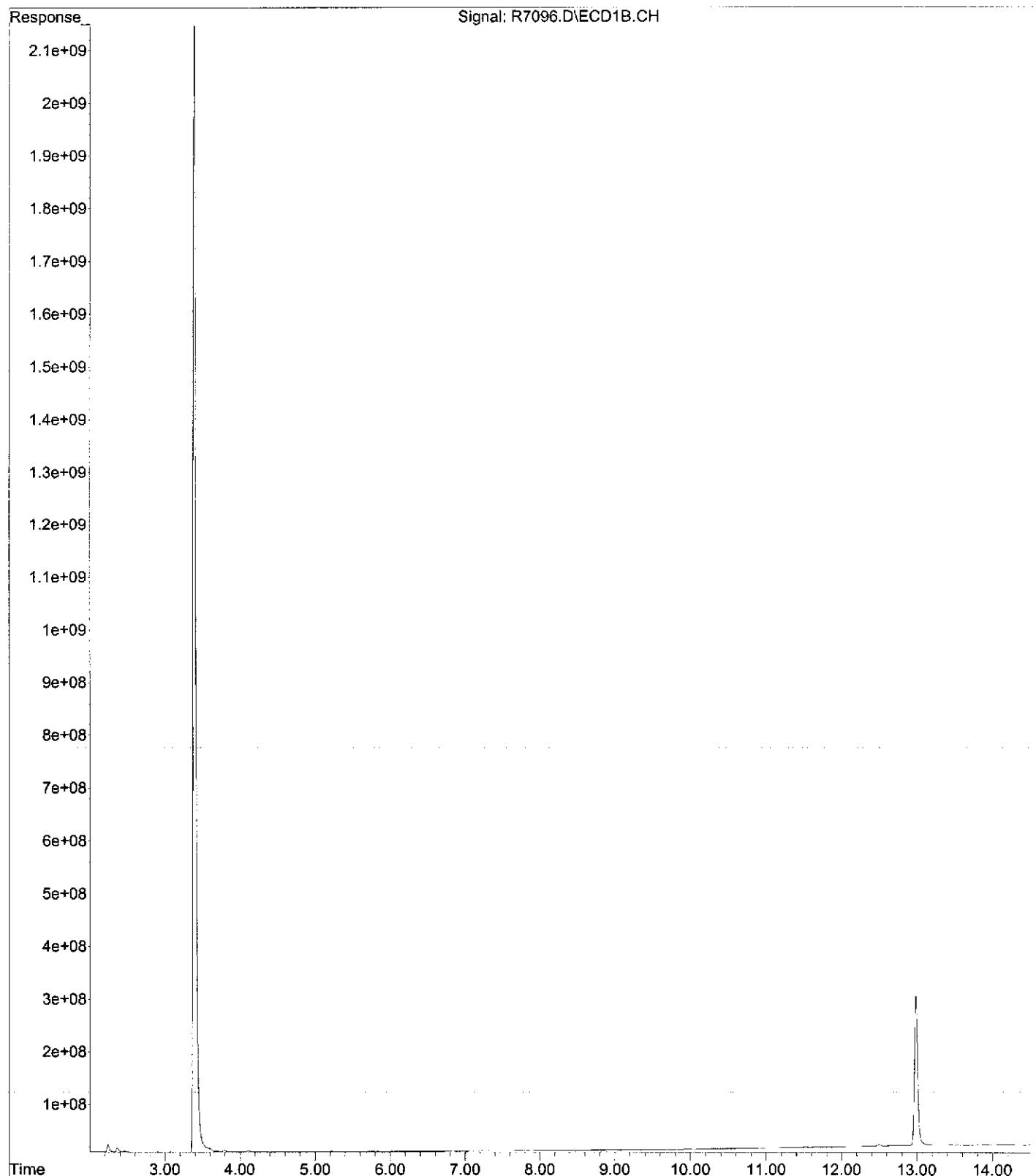
Data Path : C:\MSDCHEM\1\DATA\01-29-13\  
Data File : R7096.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 29 Jan 2013 23:55  
Operator : JS  
Sample : FF-40\_(3.0,00627-024,S,5.44g,25.4,01/28/13,4  
Misc : 130128-03,01/21/13,01/21/13,1  
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 30 16:07:40 2013  
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M  
Quant Title :  
QLast Update : Tue Jan 29 15:58:03 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

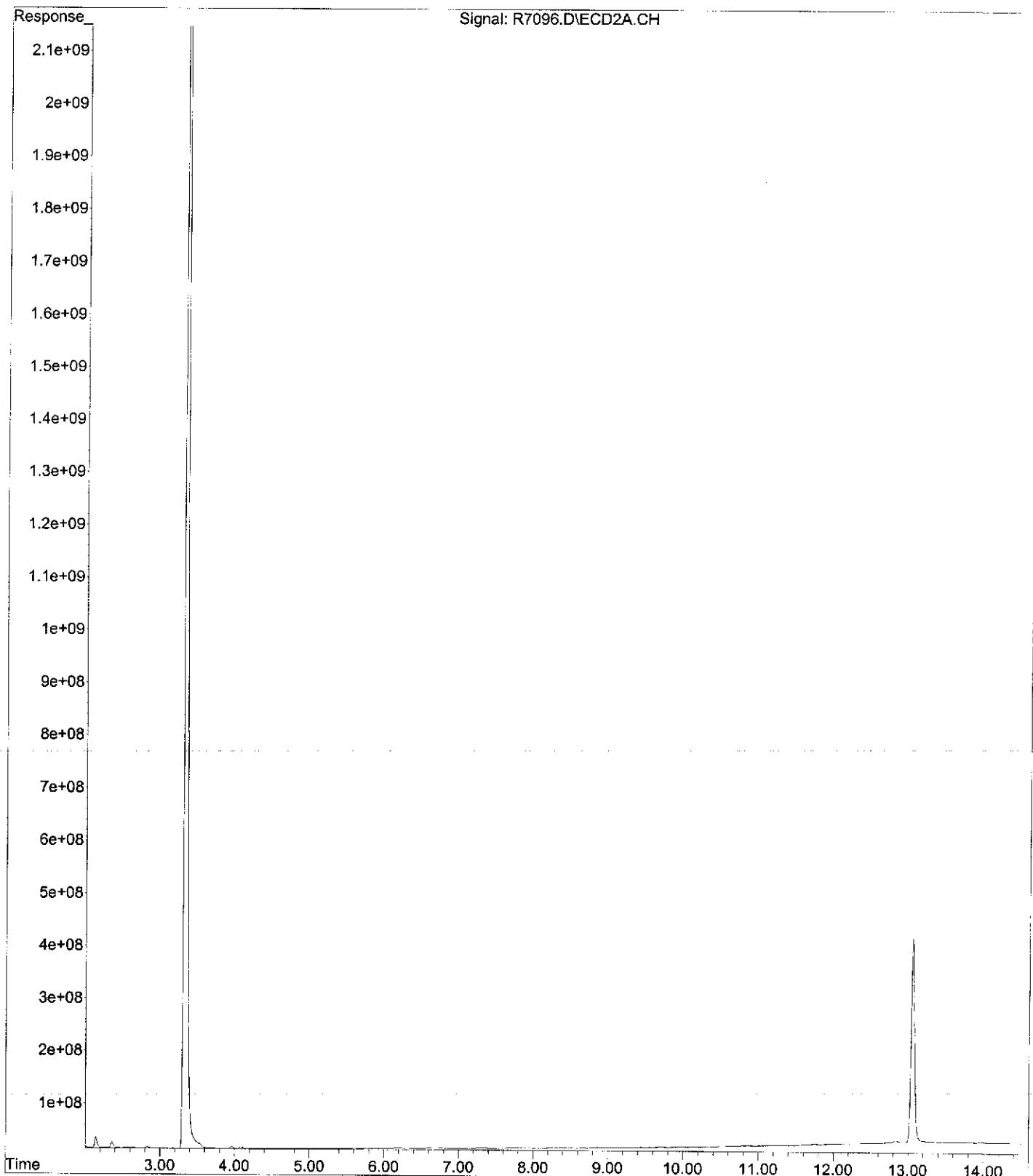
Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



File : C:\MSDChem\1\DATA\01-29-13\R7096.D  
Operator : JS  
Acquired : 29 Jan 2013 23:55 using AcqMethod RPCB0129.M  
Instrument : GC\_R  
Sample Name: FF-40 (3.0, 00627-024, S, 5.44g, 25.4, 01/28/13, 4  
Misc Info : 130128-03, 01/21/13, 01/21/13, 1  
Vial Number: 25



File : C:\MSDChem\1\DATA\01-29-13\R7096.D  
Operator : JS  
Acquired : 29 Jan 2013 23:55 using AcqMethod RPCB0129.M  
Instrument : GC\_R  
Sample Name: FF-40 (3.0,00627-024,S,5.44g,25.4,01/28/13,4  
Misc Info : 130128-03,01/21/13,01/21/13,1  
Vial Number: 25



Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
 Data File : Y5436.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 26 Jan 2013 19:19  
 Operator : JS  
 Sample : FB-58,00627-025,A,1000ml,100,01/24/13,1  
 Misc : 130124-06,01/21/13,01/21/13,1  
 ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 28 16:15:01 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.80	2.88	13995.3E6	4697.4E6	140.980	143.578
Spiked Amount	200.000			Recovery	=	70.49% 71.79%
2) S DCB	12.07	12.42	4931.7E6	1295.5E6	164.168	172.054
Spiked Amount	200.000			Recovery	=	82.08% 86.03%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

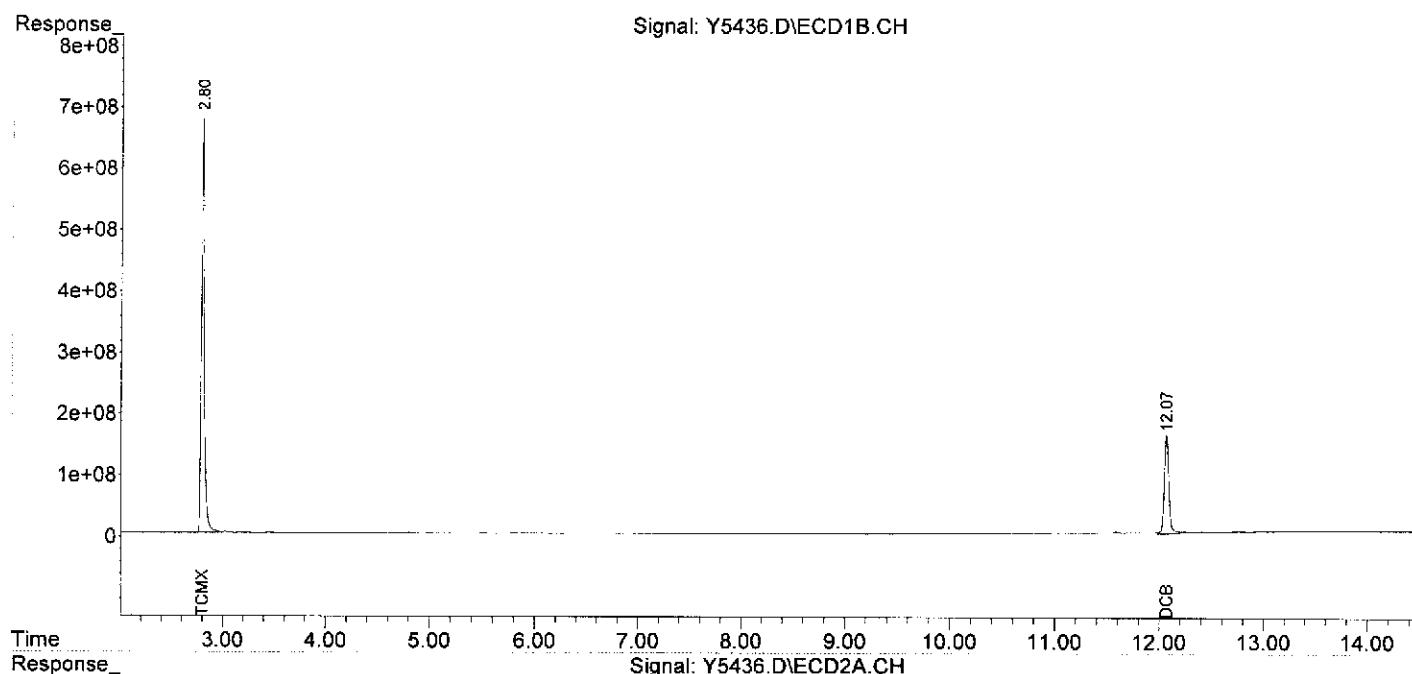
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
Data File : Y5436.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 26 Jan 2013 19:19  
Operator : JS  
Sample : FB-58,00627-025,A,1000ml,100,01/24/13,1  
Misc : 130124-06,01/21/13,01/21/13,1  
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 28 16:15:01 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: BLKA130116-05

Client ID: PCB

Date Received: NA

Date Extracted: 01/16/2013

Date Analyzed: 01/16/2013

Data file: R6883.D

GC Column: DB-5/DB1701P

Sample wt/vol: 1000ml

Matrix-Units: Aqueous- $\mu$ g/L (ppb)

Dilution Factor: 1

% Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: BLKA130124-06

Client ID: PCB

Date Received: NA

Date Extracted: 01/24/2013

Date Analyzed: 01/26/2013

Data file: Y5430.D

GC Column: DB-5/DB1701P

Sample wt/vol: 1000ml

Matrix-Units: Aqueous- $\mu$ g/L (ppb)

Dilution Factor: 1

% Moisture: 100

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
 Data File : Y5430.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 26 Jan 2013 17:36  
 Operator : JS  
 Sample : PCB,BLKA130124-06,A,1000ml,100,01/24/13,1  
 Misc : NA,NA,NA,1  
 ALS Vial : 84 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 28 16:12:09 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.80	2.88	17129.5E6	5694.5E6	172.552	174.054
Spiked Amount	200.000		Recovery	=	86.28%	87.03%
2) S DCB	12.07	12.42	6115.8E6	1547.3E6	203.586	205.501
Spiked Amount	200.000		Recovery	=	101.79%	102.75%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

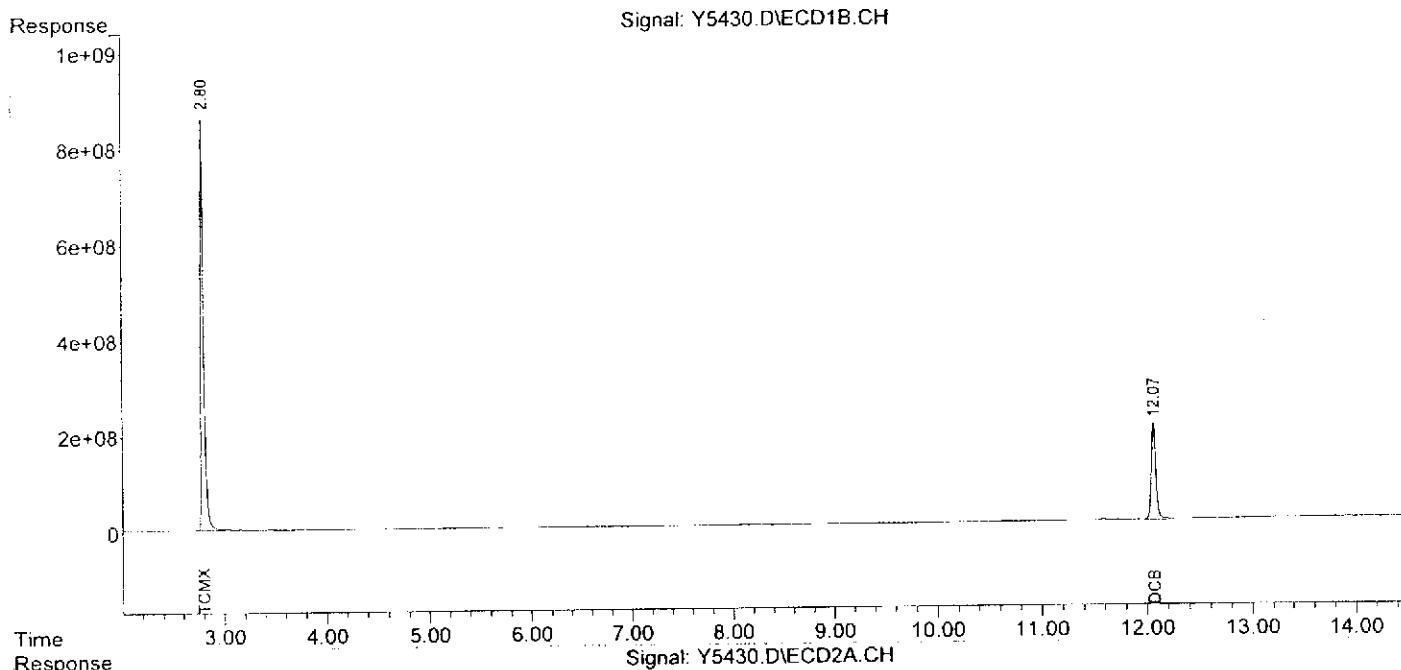
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
Data File : Y5430.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 26 Jan 2013 17:36  
Operator : JS  
Sample : PCB, BLKA130124-06,A,1000ml,100,01/24/13,1  
Misc : NA,NA,NA,1  
ALS Vial : 84 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 28 16:12:09 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: BLKS130123-05

Client ID: PCB

Date Received: NA

Date Extracted: 01/23/2013

Date Analyzed: 01/24/2013

Data file: R7008.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.00g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: NA

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-24-13\  
 Data File : R7008.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 24 Jan 2013 9:41  
 Operator : JS  
 Sample : PCB, BLKS130123-05, S, 5.00g, 0, 01/23/13, 4  
 Misc : NA,NA,NA,1  
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 24 10:18:19 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0121.M  
 Quant Title :  
 QLast Update : Tue Jan 22 10:09:27 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	3.39	3.35	55348.4E6	71610.9E6	211.956	216.040
Spiked Amount	200.000			Recovery	=	105.98%
2) S DCB	12.99	13.08	9651.4E6	13061.8E6	190.717	206.459
Spiked Amount	200.000			Recovery	=	95.36%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

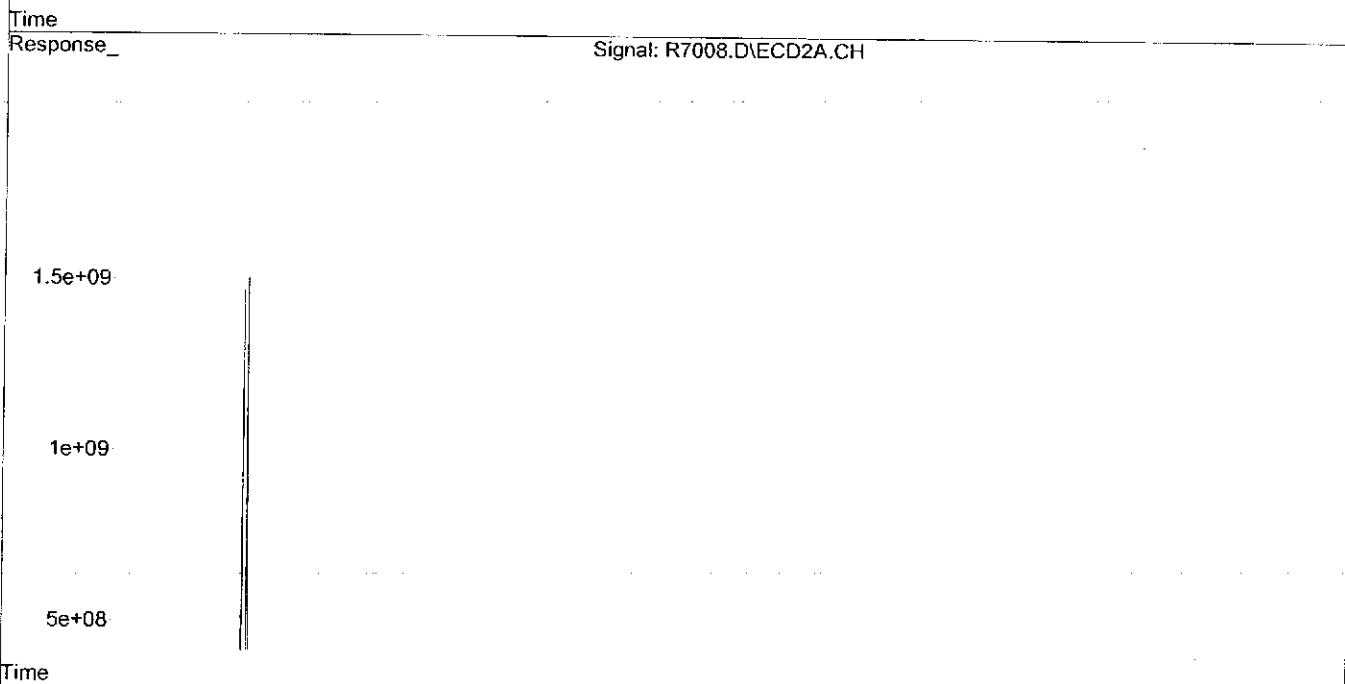
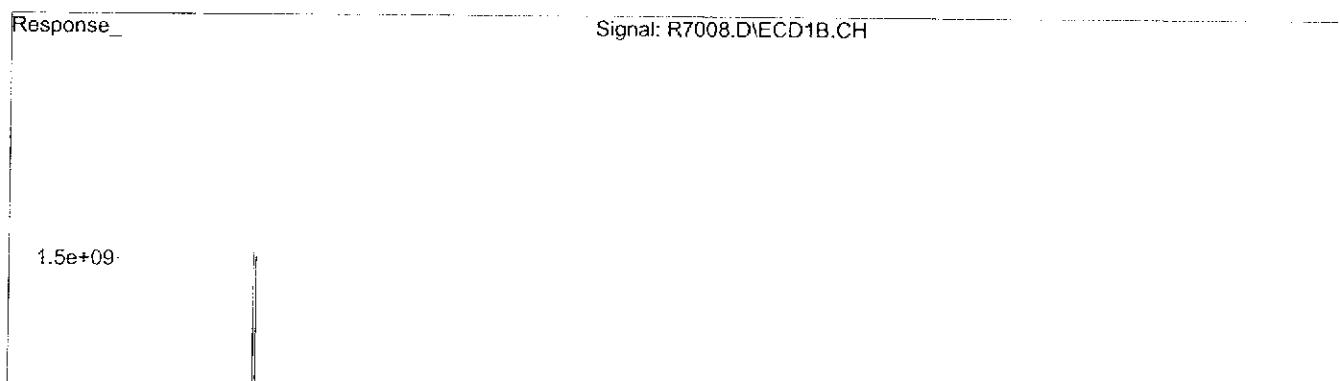
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

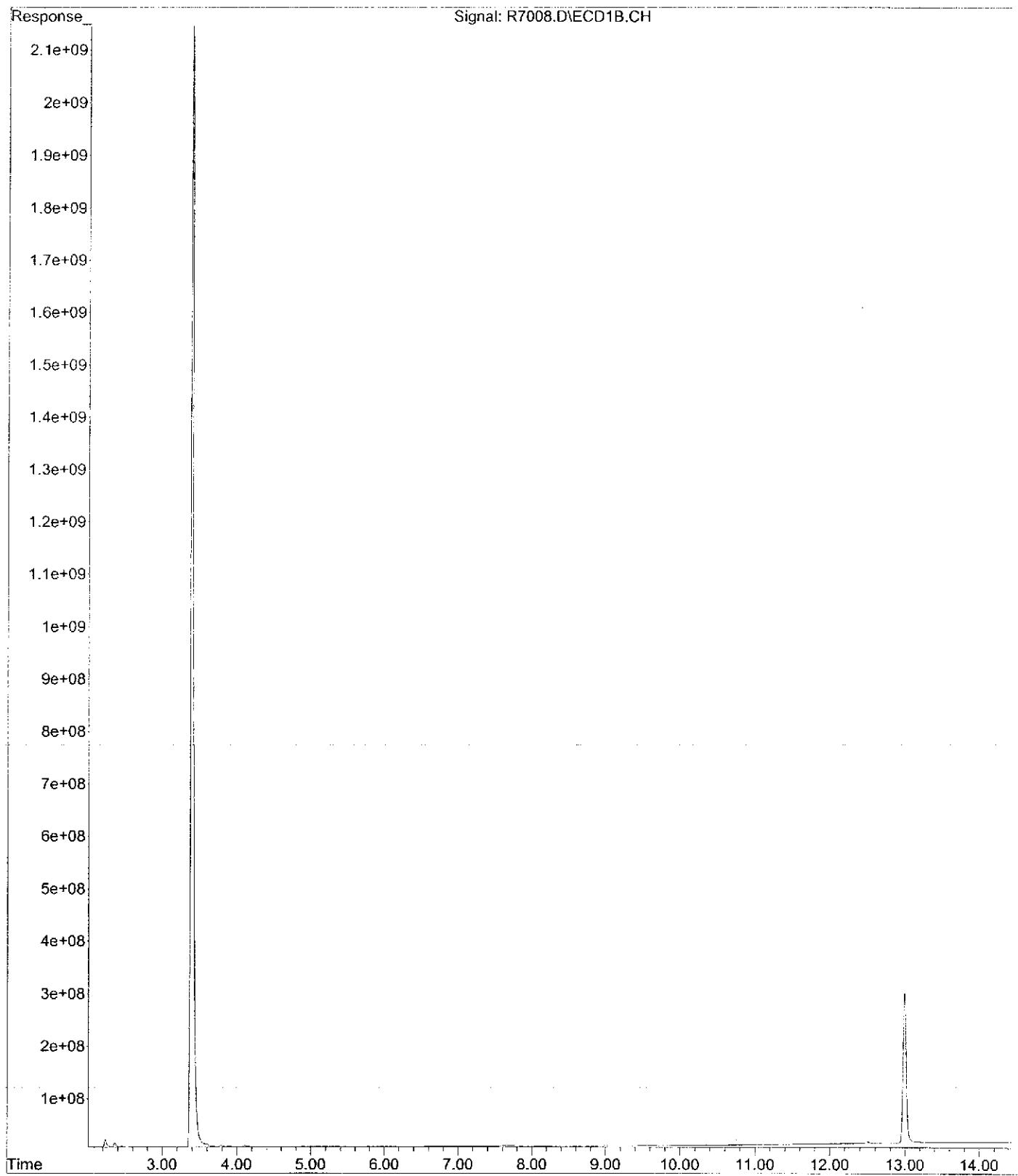
Data Path : C:\MSDCHEM\1\DATA\01-24-13\  
Data File : R7008.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 24 Jan 2013 9:41  
Operator : JS  
Sample : PCB,BLKS130123-05,S,5.00g,0,01/23/13,4  
Misc : NA,NA,NA,1  
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 24 10:18:19 2013  
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0121.M  
Quant Title :  
QLast Update : Tue Jan 22 10:09:27 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

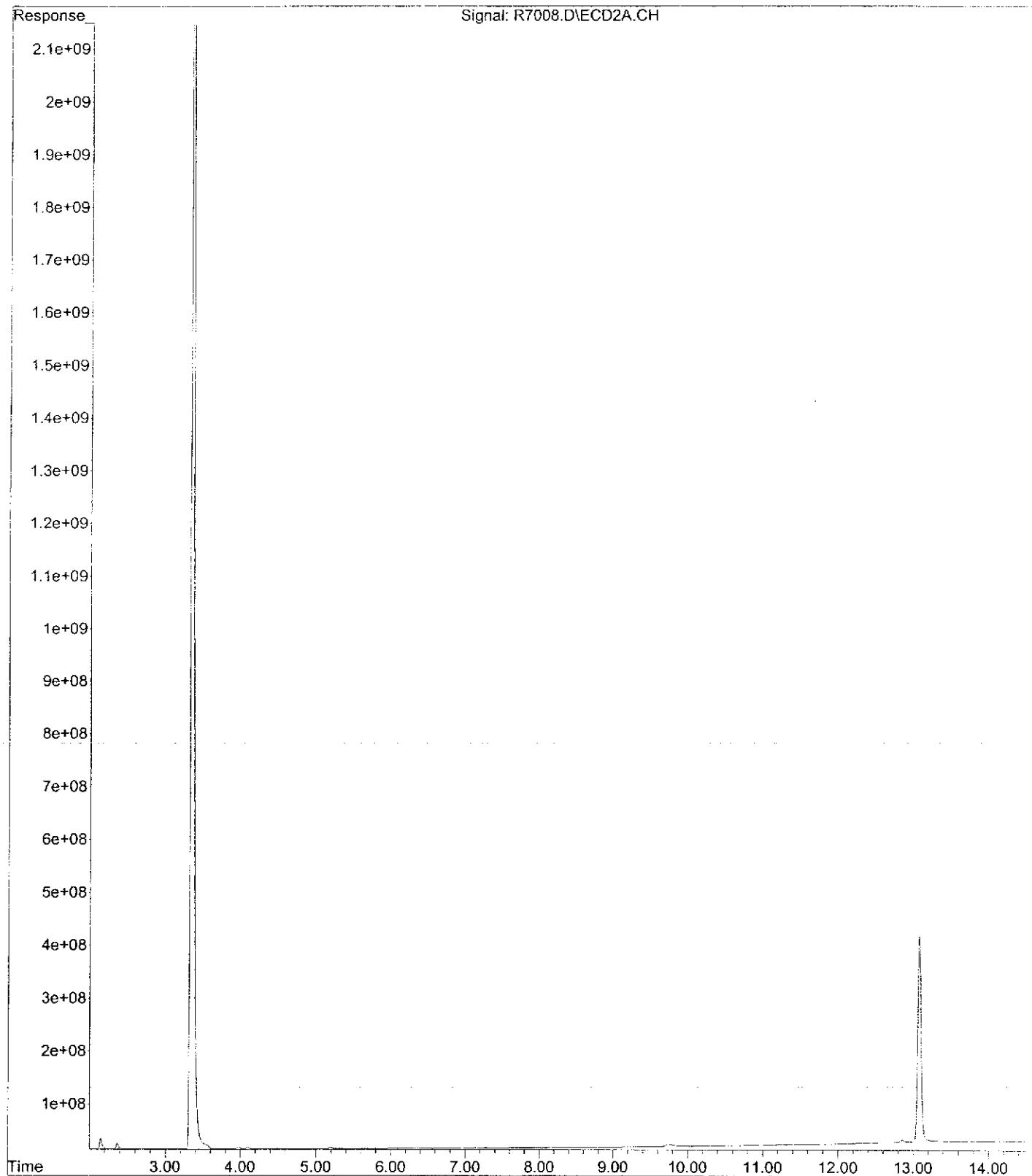
Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-24-13\R7008.D  
Operator : JS  
Acquired : 24 Jan 2013 9:41 using AcqMethod RPCB0121.M  
Instrument : GC\_R  
Sample Name: PCB\_BLKS130123-05,S,5.00g,0,01/23/13,4  
Misc Info : NA,NA,NA,1  
Vial Number: 2



File : C:\MSDCHEM\1\DATA\01-24-13\R7008.D  
Operator : JS  
Acquired : 24 Jan 2013 9:41 using AcqMethod RPCB0121.M  
Instrument : GC\_R  
Sample Name: PCB\_BLKS130123-05,S,5.00g,0,01/23/13,4  
Misc Info : NA,NA,NA,1  
Vial Number: 2



**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: BLKS130124-03  
Client ID: PCB  
Date Received: NA  
Date Extracted: 01/24/2013  
Date Analyzed: 01/25/2013  
Data file: Y5345.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.00g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: NA

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
 Data File : Y5345.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 25 Jan 2013 15:12  
 Operator : JS  
 Sample : PCB, BLKS130124-03, S, 5.00g, 0, 01/24/13, 4  
 Misc : NA, NA, NA, 1  
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 25 16:42:54 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.79	2.88	21790.8E6	6535.5E6	219.506	199.760
Spiked Amount	200.000			Recovery	=	109.75%
2) S DCB	12.07	12.43	7251.5E6	1700.8E6	241.392	225.882
Spiked Amount	200.000			Recovery	=	120.70%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

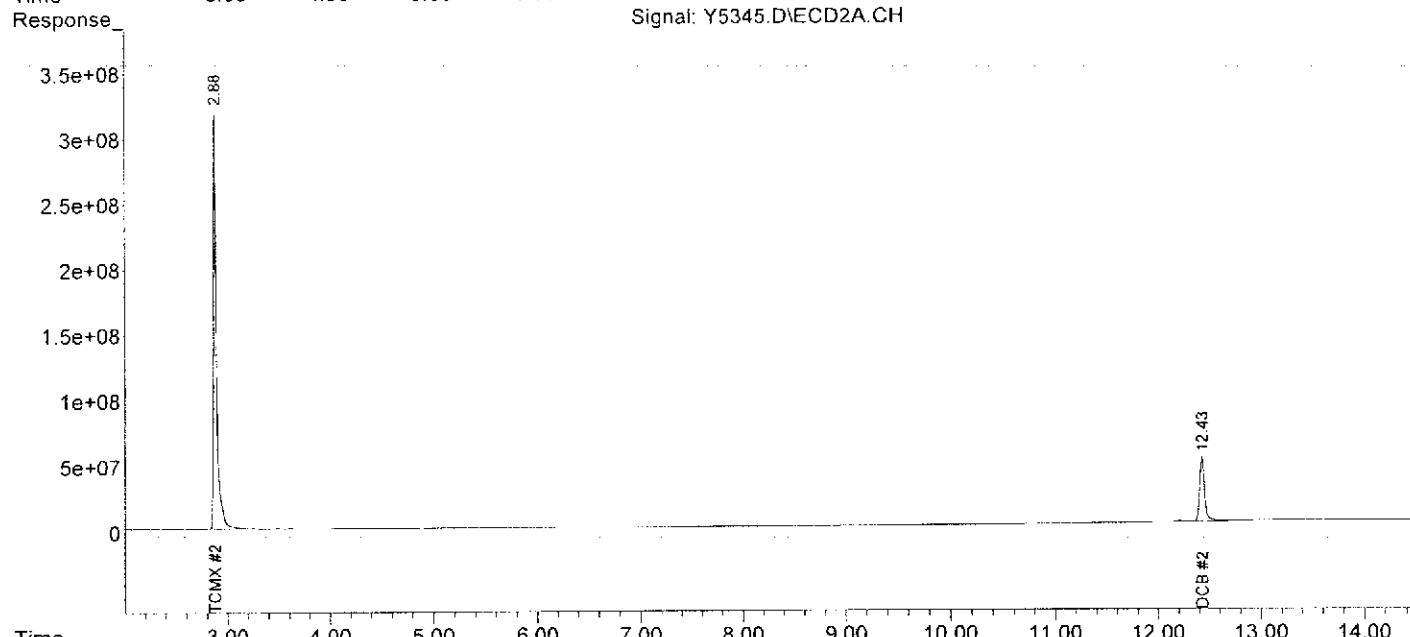
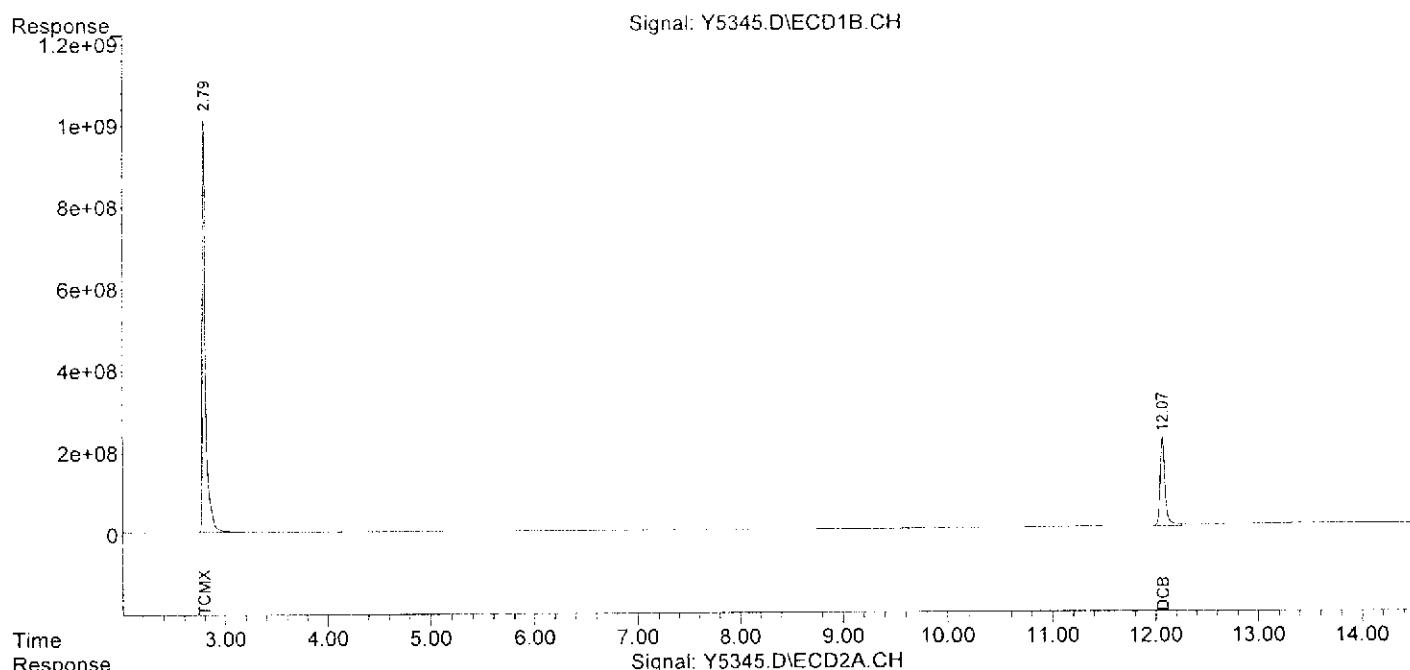
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\  
Data File : Y5345.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 25 Jan 2013 15:12  
Operator : JS  
Sample : PCB, BLKS130124-03, S, 5.00g, 0, 01/24/13, 4  
Misc : NA, NA, NA, 1  
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 25 16:42:54 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: BLKS130125-10

Client ID: PCB

Date Received: NA

Date Extracted: 01/25/2013

Date Analyzed: 01/28/2013

Data file: Y5446.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.00g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 17.9

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.049	0.020
Aroclor-1221	ND		0.049	0.020
Aroclor-1232	ND		0.049	0.020
Aroclor-1242	ND		0.049	0.020
Aroclor-1248	ND		0.049	0.020
Aroclor-1254	ND		0.049	0.020
Aroclor-1260	ND		0.049	0.020
Aroclor-1262	ND		0.049	0.020
Aroclor-1268	ND		0.049	0.020
PCBs	ND		0.049	0.020

Data Path : C:\MSDCHEM\1\DATA\01-28-13\  
 Data File : Y5446.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 28 Jan 2013 15:36  
 Operator : JS  
 Sample : PCB,BLKS130125-10,S,5.00g,17.9,01/25/13,4  
 Misc : NA,NA,NA,1  
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 29 08:45:36 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
 Quant Title :  
 QLast Update : Fri Jan 25 13:54:29 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>							
	System Monitoring Compounds						
1) S	TCMX	2.79	2.88	21747.5E6	5861.5E6	219.070	179.159
	Spiked Amount	200.000		Recovery	=	109.54%	89.58%
2) S	DCB	12.06	12.43	6983.8E6	1683.1E6	232.481	223.530
	Spiked Amount	200.000		Recovery	=	116.24%	111.77%
<hr/>							
Target Compounds							
	Sum Aroclor-1016			0	0	N.D.	N.D.
	Average Aroclor-1016					0.000	0.000
	Sum Aroclor-1221			0	0	N.D.	N.D.
	Average Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
	Sum Aroclor-1242			0	0	N.D.	N.D.
	Average Aroclor-1242					0.000	0.000
	Sum Aroclor-1248			0	0	N.D.	N.D.
	Average Aroclor-1248					0.000	0.000
	Sum Aroclor-1254			0	0	N.D.	N.D.
	Average Aroclor-1254					0.000	0.000
	Sum Aroclor-1260			0	0	N.D.	N.D.
	Average Aroclor-1260					0.000	0.000
	Sum Aroclor-1262			0	0	N.D.	N.D.
	Average Aroclor-1262					0.000	0.000
	Sum Aroclor-1268			0	0	N.D.	N.D.
	Average Aroclor-1268					0.000	0.000
<hr/>							

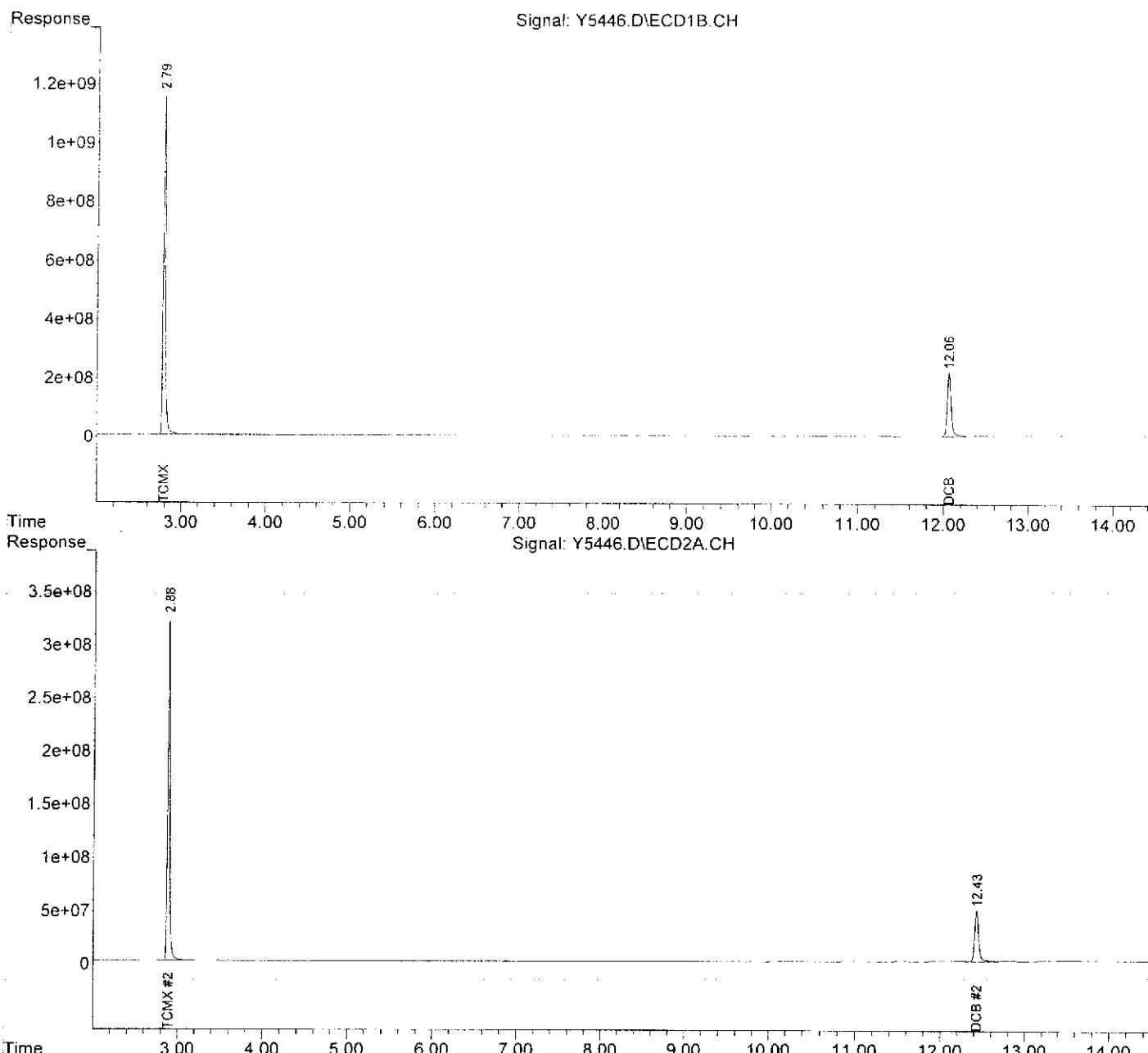
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-28-13\  
Data File : Y5446.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 28 Jan 2013 15:36  
Operator : JS  
Sample : PCB\_BLKS130125-10,S,5.00g,17.9,01/25/13,4  
Misc : NA,NA,NA,1  
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 29 08:45:36 2013  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M  
Quant Title :  
QLast Update : Fri Jan 25 13:54:29 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: BLKS130128-03

Client ID: PCB

Date Received: NA

Date Extracted: 01/28/2013

Date Analyzed: 01/29/2013

Data file: R7092.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.00g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: NA

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-29-13\  
 Data File : R7092.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 29 Jan 2013 22:45  
 Operator : JS  
 Sample : PCB, BLKS130128-03, S, 5.00g, 0, 01/28/13, 4  
 Misc : NA,NA,NA,1  
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Jan 30 14:22:21 2013  
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M  
 Quant Title :  
 QLast Update : Tue Jan 29 15:58:03 2013  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Rcsp#2	ng#1	ng#2
<b>System Monitoring Compounds</b>						
1) S TCMX	3.39	3.33	53505.8E6	70999.0E6	210.656	213.682
Spiked Amount	200.000			Recovery	= 105.33%	106.84%
<b>Target Compounds</b>						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-29-13\  
Data File : R7092.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 29 Jan 2013 22:45  
Operator : JS  
Sample : PCB, BLKS130128-03, S, 5.00g, 0, 01/28/13, 4  
Misc : NA, NA, NA, 1  
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Jan 30 14:22:21 2013  
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M  
Quant Title :  
QLast Update : Tue Jan 29 15:58:03 2013  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :

Response\_ Signal: R7092.D\ECD1B.CH

1.5e+09

1e+09

5e+08

Time

Response\_ Signal: R7092.D\ECD2A.CH

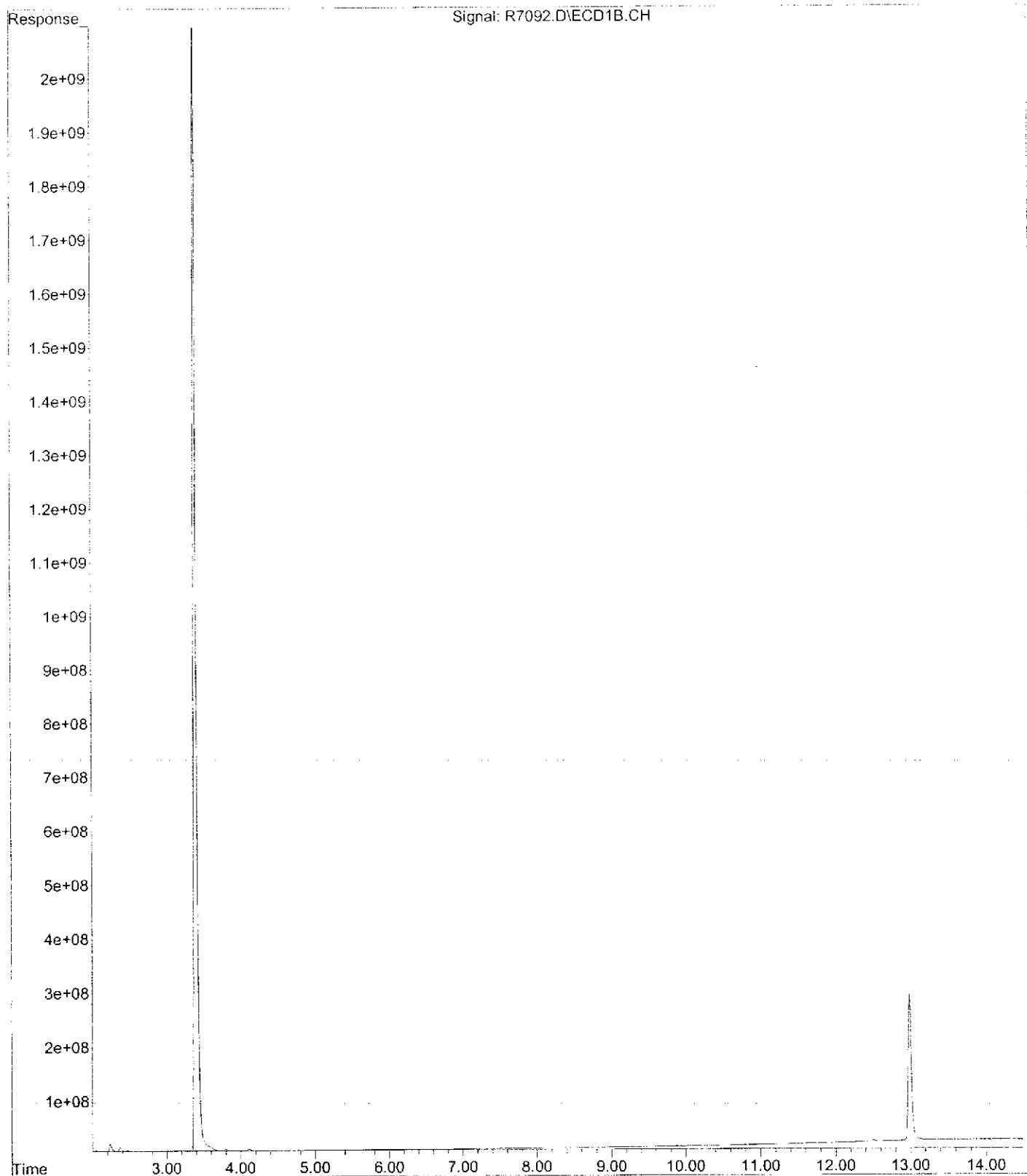
1.5e+09

1e+09

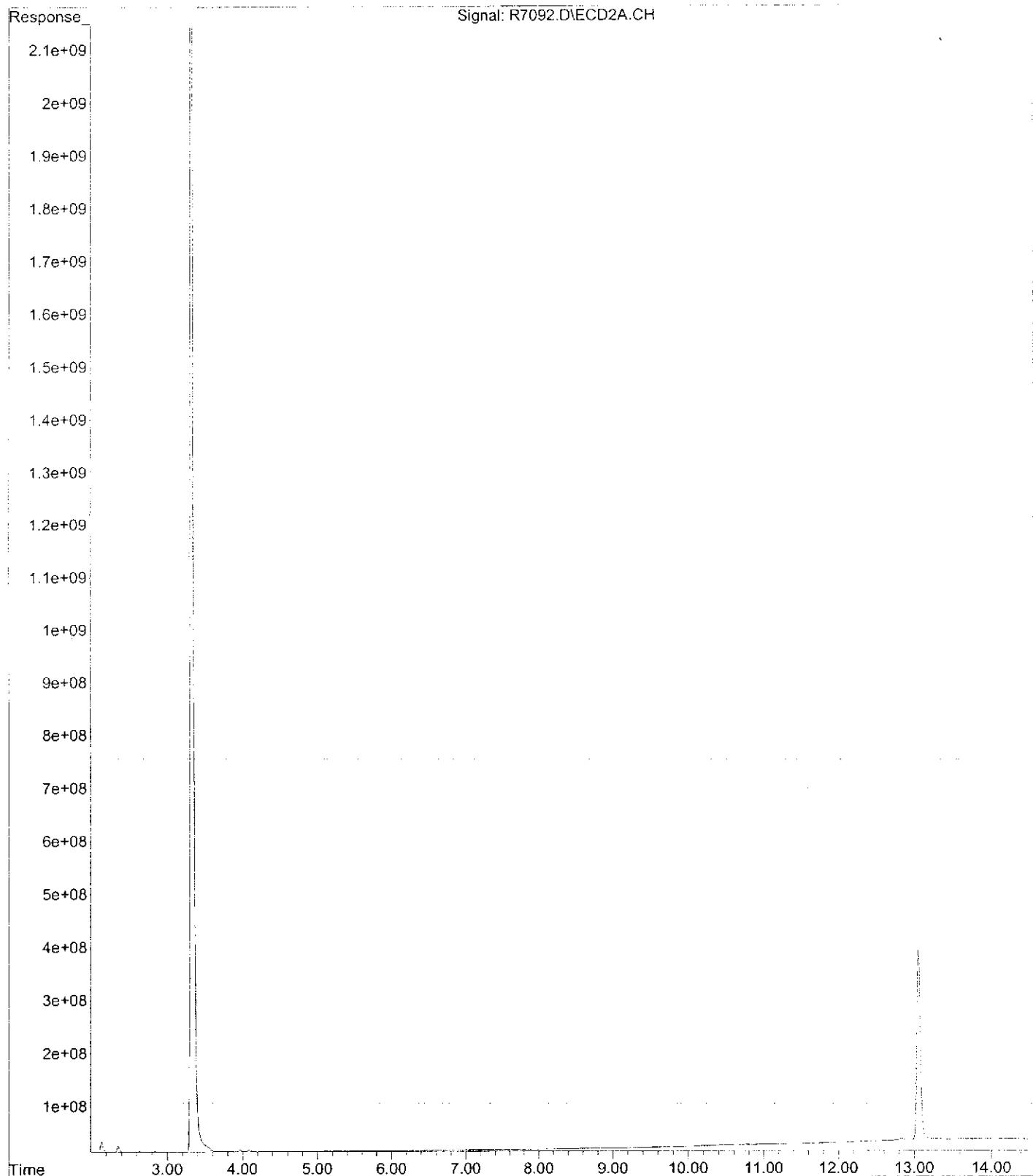
5e+08

Time

File : C:\MSDChem\1\DATA\01-29-13\R7092.D  
Operator : JS  
Acquired : 29 Jan 2013 22:45 using AcqMethod RPCB0129.M  
Instrument : GC\_R  
Sample Name: PCB, BLKS130128-03, S, 5.00g, 0, 01/28/13, 4  
Misc Info : NA,NA,NA,1  
Vial Number: 21



File : C:\MSDChem\1\DATA\01-29-13\R7092.D  
Operator : JS  
Acquired : 29 Jan 2013 22:45 using AcqMethod RPCB0129.M  
Instrument : GC\_R  
Sample Name: PCB, BLKS130128-03, S, 5.00g, 0, 01/28/13, 4  
Misc Info : NA,NA,NA,1  
Vial Number: 21



**SAMPLE TRACKING**



Integrated Analytical Labs  
273 Franklin Rd  
Randolph, NJ 07869

Contact Us: 973 361-4252  
fax: 973 988-5288  
Web: www.ialonline.com

CUSTOMER INFO		REPORTING INFO		Turnaround Time (starts the following day if samples rec'd at lab > 5PM)														
Company: JMC Environmental Consultants, Inc.	REPORT TO:	James Clabby		*Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE														
Address: 2109 Bridge Ave., Bldg. B	Address:	same																
Point Pleasant, NJ 07842																		
Telephone #: (732) 295-2144		Attn:																
Fax #: (732) 295-2150		FAX #: (732) 295-2150																
Project Manager: James Clabby		INVOICE TO: Aceto Corp.																
EMAIL Address: jclabby@jmceenvironmental.com		Address: 4 Tri Harbor Court																
Sampler: Alton Hallgreen, Steve Kosch		Port Washington, NY 11050																
Project Name: Ansynco		(with copy to: JMC Environmental (attn.: J. Clabby))																
Project Location (State): NJ		Attn: Ed Kelly																
Bottle Order #:		PO # 22126																
Quote #: SR041205		Sample Matrix:																
		DW - Drinking Water AQ - Aqueous WW - Waste Water																
		OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)																
		S - Soil SL - Sludge SOL - Solid W - Wipe																
SAMPLE INFORMATION		ANALYTICAL PARAMETERS																
Client ID	Depth (ft only)	Sampling		TCL PCB (8082)											# BOTTLES & PRESERVATIVES			
		Date	Time		Matrix	# containers	IAL #								RCL	SiNO3	MeOH	H2SO4
DD-44 (0-1.0)		1/21/13	9:50	S	1	1	x											
DD-44 (1.0-2.0)			9:51	S	1	2	x											
DD-44 (2.0-3.0)			9:52	S	1	3	x											
DD-44 (3.0-4.0)			9:53	S	1	4	x											
CC-43 (0-1.0)			10:28	S	1	5	x											
CC-43 (1.0-2.0)			10:29	S	1	6	x											
CC-43 (2.0-3.0)			10:30	S	1	7	x											
CC-43 (3.0-4.0)			10:31	S	1	8	x											
Known Hazard: Yes or No	Describe:	Conc. Expected:	Low	Med	High	MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)												

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Carrier (check one):	IAL Courier	Client Courier	FedEx/UPS		
Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:	1/21/13	15:30	Received by:	1/21/13	15:30
Relinquished by:	1/21/13	16:26	Received by:	1/21/13	16:26
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

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Lab Case #

00627

PAGE: 1 of 4

LAB CC ~ JS - WHITE & YELLOW; CLIENT COPY - PINK

S6 TO  
S65

**CUSTOMER INFO**
**REPORTING INFO**

Company: JMC Environmental Consultants, Inc.	REPORT TO:	James Clabby
Address: 2109 Bridge Ave., Bldg. B	Address:	same
Point Pleasant, NJ 07842		
Telephone #: (732) 295-2144	Attn:	
Fax #: (732) 295-2150	FAX # (732) 295-2150	
Project Manager: James Clabby	INVOICE TO:	Aceto Corp.
EMAIL Address: jclabby@jmconvironmental.com	Address: 4 Tri Harbor Court	
Sampler: Alton Hallgreen, Steve Kosch	Port Washington, NY 11050	
Project Name: Arsynco	(with copy to: JMC Environmental (attn.: J. Clabby))	
Project Location (State): NJ	Attn: Ed Kelly	
Bottle Order #:	PO # 22126	
Quote #: SR041205	Sample Matrix:	

**SAMPLE INFORMATION**

Client ID	Depth (ft only)	Sampling		# container(s)	TAT #	TCL PCB (80/82)	# BOTTLES & PRESERVATIVES													
		Date	Time				HCl	HNO3	MeOH	H2SO4	NaOH/ZnAc	Sterile								
DD-43/EE-44(0-1.0)		1/21/13	11:15	S	1	9	x													
DD-43/EE-44(0-2.0)			11:16	S	1	10	x													
DD-43/EE-44(2.0-3.0)			11:17	S	1	11	x													
DD-43/EE-44(3.0-4.0)			11:18	S	1	12	x													
FF-42 (0-1.0)			11:56	S	1	13	x													
FF-42 (1.0-2.0)			11:57	S	1	14	x													
FF-42 (2.0-3.0)			11:58	S	1	15	x													
FF-42 (3.0-4.0)			11:59	S	1	16	x													
Known Hazard: Yes or No:		Describe:		Conc. Expected:		Low	Med	High	MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)											

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Carrier (check one):	IAL Courier	Client Courier	FedEx/UPS		
Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:	1/21/13	1530	Received by:	1/21/13	1530
Relinquished by:	1/21/13	1624	Received by:	1/21/13	1626
Relinquished by:			Received by:		
Relinquished by:			Received by:		

LAB COPIES - WHITE &amp; YELLOW: CLIENT COPY - PINK

Comments:
Lab Case #
00627
PAGE: 1 of 4

CUSTOMER INFO		REPORTING INFO		Turnaround Time: starts the following day if samples rec'd at lab > 5PM.																			
Company: JMC Environmental Consultants, Inc.	REPORT TO:	James Clabby		*Lab notification is required for RUSH/TAT prior to sample arrival. RUSH/TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGE WILL APPLY IF ABLE TO ACCOMMODATE																			
Address: 2109 Bridge Ave., Bldg. B	Address:	same																					
Point Pleasant, NJ 07872																							
Telephone #: (732) 295-2144	Attn:																						
Fax #: (732) 295-2150	FAX # (732) 295-2150																						
Project Manager: James Clabby	INVOICE TO:	Aceto Corp.																					
EMAIL Address: jclabby@jmcenvironmental.com	Address: 4 Tri Harbor Court																						
Sampler: Alina Hollingsworth, Steve Koch, Chris Cho	Port Washington, NY 11050																						
Project Name: Anywaste	(with copy to: JMC Environmental ( attn: J. Clabby))																						
Project Location (State): NJ	Attn: Ed Kelly																						
Bottle Order #:	PO # 22126																						
Quote #: SR041205																							
SAMPLE INFORMATION												ANALYTICAL PARAMETERS								# BOTTLES & PRESERVATIVES			
<b>Sample Matrix</b> DW - Drinking Water AQ - Aquatic WW - Waste Water OM - Oil LEQ - Liquid (Specify) OT - Other (Specify) S - Soil EL - Sludge SOIL - Solid W - Wipe																							
Client ID	Depth (ft only)	Sampling		Matrix	# container	ID#	TCL PCB (8002)										HCl	HNO3	H2SO4	Hg2+2			
		Date	Time																				
FF-41 (0-1.0)		1/21/13	1:15	S	1	17	x																
FF-41 (1.0-2.0)			1:16	S	1	18	x																
FF-41 (2.0-3.0)			1:17	S	1	19	x																
FF-41 (3.0-4.0)			1:18	S	1	20	x																
FF-40 (0-1.0)			1:55	S	1	21	x																
FF-40 (1.0-2.0)			1:56	S	1	22	x																
FF-40 (2.0-3.0)			1:57	S	1	23	x																
FF-40 (3.0-4.0)			1:58	S	1	24	x																
Known Hazard: Yes or No		Describe:		Conc. Expected:		Low	Med	High	MDL Ref: GWQS (1/10/05) - SRS - SRS/ICW - SRS Residential - OTHER (SEE COMMENTS)														

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Carrier/Check-out:	At Courier:	Client Courier:	FedEx/UPS	Comments:		
Signature/Company	Date	Time	Signature/Company	Date	Time	Comments:
Received by: <i>Clabby</i>	1/21/13	6:30	Received by: <i>Clabby</i>	1/21/13	15:30	
Received by: <i>W. Cho</i>	1/21/13	1620	Received by: <i>W. Cho</i>	1/21/13	1626	
Received by: <input checked="" type="checkbox"/>			Received by: <input checked="" type="checkbox"/>			
Received by: <input checked="" type="checkbox"/>			Received by: <input checked="" type="checkbox"/>			
Received by: <input checked="" type="checkbox"/>			Received by: <input checked="" type="checkbox"/>			
Received by: <input checked="" type="checkbox"/>			Received by: <input checked="" type="checkbox"/>			
Lab Case #						PAGE: 3 - 4
00627						

10 COPIES - WHITE &amp; YELLOW; CLIENT COPY - PINK

27

0197

Company: MAC Environmental Consultants, Inc.  
Address: 2109 Boling Ave., Dept. B  
Phone #: (732) 295-2144  
Fax #: (732) 295-2150  
Project Manager: James Gladby  
Email: Address: jgladby@macenvironmental.com  
Sampler: Alan Halgreen, Steve Koch, Chris Child  
Project Name: Anysoo  
Project Location (State): NJ  
Bottle Order #:  
Quote #: SRS041205

REPORT TO: James Gladby  
Address: same  
Phone #: (732) 295-2150  
Invoice #: Aceto Corp.  
Address: 4 Tel Harbor Court  
Post: Washington, NY 11050  
(with copy to: MAC Environmental ( attn.: J. Gladby))  
Attn: Ed Kelly

PO #: 22126  
Depth: 5' 8"

Clean Counter #: 11000001

Comments: Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

#### SAMPLE INFORMATION

Client ID	Depth (ft only)	Date	Time	Method	Comments	TAL #
EBS - 58	1/21/13	3:00	09/25	X		
				X		
				X		
				X		
				X		
				X		
				X		
				X		
				X		
				X		
				X		

Known Hazard: Yes or No:

Describe:

Comments: *No comments*

Method: TGS - SRS Residential - SRS Residential - OTHER (see comments)

Date: 1/21/13

Client Counter #: 11000001

Comments: *None*

Carrier Reference #: Signature: *[Signature]* Date: 1/21/13

Comments: *None*

Signature/Comments: *[Signature]* Date: 1/21/13

Comments: *None*

# PROJECT INFORMATION



Case No. E13-00627

Project ARSYNCO

<b>Customer</b>	JMC Environmental Consultants	<b>P.O. #</b>	
<b>Contact</b>	Jim Clabby	<b>Received</b>	1/21/2013 16:26
<b>EMail</b>	jclabby@jmceenvironmental.com;	<b>Verbal Due</b>	2/4/2013
<b>Phone</b>	ahallgreen@jmceenvironmental.co (732) 295-7144	<b>Fax</b>	(732) 295-2150
<b>Report To</b>		<b>Report Due</b>	2/11/2013
2109 Bridge Avenue		<b>Bill To</b>	
Building B		Aceto Corp.	
Point Pleasant, NJ 08742		4 Tri Harbor Court	
Attn: Jim Clabby		Port Washington, NJ 11050	
<b>Report Format</b> Reduced		Attn: Mr. Ed Kelly	
<b>Additional Info</b>	<input type="checkbox"/> State Form	<input checked="" type="checkbox"/> Field Sampling	<input type="checkbox"/> Conditional

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
00627-001	DD-44 (0-1.0)	0 / 1	1/21/2013 @09:50	Soil	mg/Kg	1
00627-002	DD-44 (1.0-2.0)	1 / 2	1/21/2013 @09:51	Soil	mg/Kg	1
00627-003	DD-44 (2.0-3.0)	2 / 3	1/21/2013 @09:52	Soil	mg/Kg	1
00627-004	DD-44 (3.0-4.0)	3 / 4	1/21/2013 @09:53	Soil	mg/Kg	1
00627-005	CC-43 (0-1.0)	0 / 1	1/21/2013 @10:28	Soil	mg/Kg	1
00627-006	CC-43 (1.0-2.0)	1 / 2	1/21/2013 @10:29	Soil	mg/Kg	1
00627-007	CC-43 (2.0-3.0)	2 / 3	1/21/2013 @10:30	Soil	mg/Kg	1
00627-008	CC-43 (3.0-4.0)	3 / 4	1/21/2013 @10:31	Soil	mg/Kg	1
00627-009	DD-43/EE-44 (0-1.0)	0 / 1	1/21/2013 @11:15	Soil	mg/Kg	1
00627-010	DD-43/EE-44 (1.0-2.0)	1 / 2	1/21/2013 @11:16	Soil	mg/Kg	1
00627-011	DD-43/EE-44 (2.0-3.0)	2 / 3	1/21/2013 @11:17	Soil	mg/Kg	1
00627-012	DD-43/EE-44 (3.0-4.0)	3 / 4	1/21/2013 @11:18	Soil	mg/Kg	1
00627-013	FF-42 (0-1.0)	0 / 1	1/21/2013 @11:56	Soil	mg/Kg	1
00627-014	FF-42 (1.0-2.0)	1 / 2	1/21/2013 @11:57	Soil	mg/Kg	1
00627-015	FF-42 (2.0-3.0)	2 / 3	1/21/2013 @11:58	Soil	mg/Kg	1
00627-016	FF-42 (3.0-4.0)	3 / 4	1/21/2013 @11:59	Soil	mg/Kg	1
00627-017	FF-41 (0-1.0)	0 / 1	1/21/2013 @13:15	Soil	mg/Kg	1
00627-018	FF-41 (1.0-2.0)	1 / 2	1/21/2013 @13:16	Soil	mg/Kg	1
00627-019	FF-41 (2.0-3.0)	2 / 3	1/21/2013 @13:17	Soil	mg/Kg	1
00627-020	FF-41 (3.0-4.0)	3 / 4	1/21/2013 @13:18	Soil	mg/Kg	1
00627-021	FF-40 (0-1.0)	0 / 1	1/21/2013 @13:55	Soil	mg/Kg	1
00627-022	FF-40 (1.0-2.0)	1 / 2	1/21/2013 @13:56	Soil	mg/Kg	1
00627-023	FF-40 (2.0-3.0)	2 / 3	1/21/2013 @13:57	Soil	mg/Kg	1
00627-024	FF-40 (3.0-4.0)	3 / 4	1/21/2013 @13:58	Soil	mg/Kg	1
00627-025	FB-58	n/a	1/21/2013	Aqueous	mg/L	2

Sample #	Tests	Status	QA Method
001	TCL PCB	Run	8082
002	TCL PCB	Run	8082
003	TCL PCB	Run	8082

# PROJECT INFORMATION



E 1 3 - 0 0 6 2 7

Case No. E13-00627

Project ARSYNCO

<u>Sample #</u>	<u>Tests</u>	<u>Status</u>	<u>QA Method</u>
004	TCL PCB	Run	8082
005	TCL PCB	Run	8082
006	TCL PCB	Run	8082
007	TCL PCB	Run	8082
008	TCL PCB	Run	8082
009	TCL PCB	Run	8082
010	TCL PCB	Run	8082
011	TCL PCB	Run	8082
012	TCL PCB	Run	8082
013	TCL PCB	Run	8082
014	TCL PCB	Run	8082
015	TCL PCB	Run	8082
016	TCL PCB	Run	8082
017	TCL PCB	Run	8082
018	TCL PCB	Run	8082
019	TCL PCB	Run	8082
020	TCL PCB	Run	8082
021	TCL PCB	Run	8082
022	TCL PCB	Run	8082
023	TCL PCB	Run	8082
024	TCL PCB	Run	8082
025	TCL PCB	Run	8082

01/23/2013 08:19 by Mark - REV 1

ID FOR SAMPLE #009 IS: DD-43/EE-44 (0-1.0)  
ID FOR SAMPLE #010 IS: DD-43/EE-44 (1.0-2.0)  
ID FOR SAMPLE #011 IS: DD-43/EE-44 (2.0-3.0)  
ID FOR SAMPLE #012 IS: DD-43/EE-44 (3.0-4.0)

## INTEGRATED ANALYTICAL LABORATORIES, LLC

## SAMPLE RECEIPT VERIFICATION

CASE NO: E 13

00627

CLIENT:

JMC

COOLER TEMPERATURE: 2° - 6°C: 

( See Chain of Custody)

Comments

COC: **COMPLETE** / INCOMPLETE

KEY

- |   |          |
|---|----------|
| ✓ | = YES/NA |
| ✗ | = NO     |

- ✓ Bottles Intact
- ✓ no-Missing Bottles
- ✓ no-Extra Bottles

- ✓ Sufficient Sample Volume
- ✓ no-headspace/bubbles in VOs
- ✓ Labels intact/correct
- ✓ pH Check (exclude VOs)<sup>1</sup>
- ✓ Correct bottles/preservative
- ✓ Sufficient Holding/Prep Time'

Sample to be Subcontracted  
 Chain of Custody is Clear

<sup>1</sup> All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL 

DATE 

CORRECTIVE ACTION REQUIRED:

YES 

(SEE BELOW)

NO If COC is NOT clear, **STOP** until you get client to authorize/clarify work.

CLIENT NOTIFIED:

YES 

Date/ Time: \_\_\_\_\_

NO 

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY:

INITIAL 

DATE

0201

REV 03/2009

# Laboratory Custody Chronicle

**IAL Case No.**

**E13-00627**

**Client** JMC Environmental Consultants

**Project** ARSYNCO

**Received On** 1/21/2013@16:26

**Department: GC**

			<u>Prep. Date</u>	<u>Analyst</u>	<u>Analysis Date</u>	<u>Analyst</u>
TCL PCB	00627-001	Soil	1/23/13	Archimede	1/24/13	Julia
"	-002	"	1/23/13	Archimede	1/25/13	Julia
"	-003	"	1/24/13	Archimede	1/25/13	Julia
"	-004	"	1/24/13	Archimede	1/25/13	Julia
"	-005	"	1/24/13	Archimede	1/25/13	Julia
"	-006	"	1/24/13	Archimede	1/25/13	Julia
"	-007	"	1/24/13	Archimede	1/25/13	Julia
"	-008	"	1/24/13	Archimede	1/25/13	Julia
"	-009	"	1/24/13	Archimede	1/25/13	Julia
"	-010	"	1/24/13	Archimede	1/25/13	Julia
"	-011	"	1/24/13	Archimede	1/25/13	Julia
"	-012	"	1/24/13	Archimede	1/25/13	Julia
"	-013	"	1/24/13	Archimede	1/25/13	Julia
"	-014	"	1/25/13	Archimede	1/28/13	Julia
"	-015	"	1/25/13	Archimede	1/28/13	Julia
"	-016	"	1/25/13	Archimede	1/28/13	Julia
"	-017	"	1/25/13	Archimede	1/28/13	Julia
"	-018	"	1/25/13	Archimede	1/28/13	Julia
"	-019	"	1/25/13	Archimede	1/28/13	Julia
"	-020	"	1/25/13	Archimede	1/28/13	Julia
"	-021	"	1/25/13	Archimede	1/28/13	Julia
"	-022	"	1/25/13	Archimede	1/28/13	Julia
"	-023	"	1/28/13	Archimede	1/29/13	Julia
"	-024	"	1/28/13	Archimede	1/29/13	Julia
"	-025	Aqueous	1/24/13	Archimede	1/26/13	Julia